

MEPS HC-037
1999 Medical Conditions

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A. Data Use Agreement

Individual identifiers have been removed from the macro-data contained in the files on this CD-ROM. Nevertheless, under sections 308 (d) and 903 (c) of the Public Health Service Act (42 U.S.C. 242m and 42 U.S.C. 299 a-I), data collected by the Agency for Healthcare Research and Quality (AHRQ) and/or the National Center for Health Statistics (NCHS) may not be used for any purpose other than for the purpose for which it was supplied; any effort to determine the identity of any reported cases, is prohibited by law.

Therefore in accordance with the above referenced Federal Statute, it is understood that:

1. No one is to use the data in this data set in any way except for statistical reporting and analysis; and
2. If the identity of any person or establishment should be discovered inadvertently, then (a) no use will be made of this knowledge, (b) The Director, Office of Management AHRQ will be advised of this incident, (c) the information that would identify any individual or establishment will be safeguarded or destroyed, as requested by AHRQ, and (d) no one else will be informed of the discovered identity.
3. No one will attempt to link this data set with individually identifiable records from any data sets other than the Medical Expenditure Panel Survey or the National Health Interview Survey.

By using this data you signify your agreement to comply with the above stated statutorily based requirements with the knowledge that deliberately making a false statement in any matter within the jurisdiction of any department or agency of the Federal Government violates 18 U.S.C. 1001 and is punishable by a fine of up to \$10,000 or up to 5 years in prison.

The Agency for Healthcare Research and Quality requests that users cite AHRQ and the Medical Expenditure Panel Survey as the data source in any publications or research based upon these data.

B. Background

This documentation describes one in a series of public use files from the Medical Expenditure Panel Survey (MEPS). The survey provides a new and extensive data set on the use of health services and health care in the United States.

MEPS is conducted to provide nationally representative estimates of health care use, expenditures, sources of payment, and insurance coverage for the U.S. civilian noninstitutionalized population. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ) and the National Center for Health Statistics (NCHS).

MEPS is a family of three surveys. The Household Component (HC) is the core survey and forms the basis for the Medical Provider Component (MPC) and part of the Insurance Component (IC). Together these surveys yield comprehensive data that provide national estimates of the level and distribution of health care use and expenditures, support health services research, and can be used to assess health care policy implications.

MEPS is the third in a series of national probability surveys conducted by AHRQ on the financing and use of medical care in the United States. The National Medical Care Expenditure Survey (NMCES) was conducted in 1977, and the National Medical Expenditure Survey (NMES) was conducted in 1987. Since 1996, MEPS has continued this series with design enhancements and efficiencies that provide a more current data resource to capture the changing dynamics of the health care delivery and insurance system.

The design efficiencies incorporated into MEPS are in accordance with the Department of Health and Human Services (DHHS) Survey Integration Plan of June 1995, which focused on consolidating DHHS surveys, achieving cost efficiencies, reducing respondent burden, and enhancing analytical capacities. To advance these goals, MEPS includes linkage with the National Health Interview Survey (NHIS)—a survey conducted by NCHS from which the sample for the MEPS HC is drawn—and enhanced longitudinal data collection for core survey components. The MEPS HC augments NHIS by selecting a sample of NHIS respondents, collecting additional data on their health care expenditures, and linking these data with additional information collected from the respondents' medical providers, employers, and insurance providers.

1.0 Household Component (HC)

The MEPS HC, a nationally representative survey of the U.S. civilian noninstitutionalized population, collects medical expenditure data at both the person and household levels. The HC collects detailed data on demographic characteristics, health conditions, health status, use of medical care services, charges and payments, access to care, satisfaction with care, health insurance coverage, income, and employment.

The HC uses an overlapping panel design in which data are collected through a preliminary contact followed by a series of five rounds of interviews over a 2½-year

period. Using computer-assisted personal interviewing (CAPI) technology, data on medical expenditures and use for 2 calendar years are collected from each household. This series of data collection rounds is launched each subsequent year on a new sample of households to provide overlapping panels of survey data and, when combined with other ongoing panels, will provide continuous and current estimates of health care expenditures.

The sampling frame for the MEPS HC is drawn from respondents to NHIS. NHIS provides a nationally representative sample of the U.S. civilian noninstitutionalized population, with oversampling of Hispanics and blacks.

2.0 Medical Provider Component (MPC)

The MEPS MPC supplements and/or replaces information on medical care events reported in the MEPS HC by contacting medical providers and pharmacies identified by household respondents. The MPC sample includes all home health agencies and pharmacies reported by HC respondents. Office-based physicians, hospitals, and hospital physicians are also included in the MPC but may be subsampled at various rates, depending on burden and resources, in certain years.

Data are collected on medical and financial characteristics of medical and pharmacy events reported by HC respondents. The MPC is conducted through telephone interviews and record abstraction.

3.0 Insurance Component (IC)

The MEPS IC collects data on health insurance plans obtained through private and public-sector employers. Data obtained in the IC include the number and types of private insurance plans offered, benefits associated with these plans, premiums, contributions by employers and employees, and employer characteristics.

Establishments participating in the MEPS IC are selected through three sampling frames:

- A list of employers or other insurance providers identified by MEPS HC respondents who report having private health insurance at the Round 1 interview.
- A Bureau of the Census list frame of private-sector business establishments.
- The Census of Governments from the Bureau of the Census.

To provide an integrated picture of health insurance, data collected from the first sampling frame (employers and other insurance providers identified by MEPS HC respondents) are linked back to data provided by those respondents. Data collected from the two Census Bureau sampling frames are used to produce annual national and State estimates of the supply and cost of private health insurance available to American workers and to evaluate policy issues pertaining to health insurance. National estimates of employer contributions to group health insurance from the MEPS IC are used in the computation of Gross Domestic Product (GDP) by the Bureau of Economic Analysis.

The MEPS IC is an annual panel survey. Data are collected from the selected organizations through a prescreening telephone interview, a mailed questionnaire, and a telephone follow-up for nonrespondents.

4.0 Survey Management

MEPS data are collected under the authority of the Public Health Service Act. They are edited and published in accordance with the confidentiality provisions of this act and the Privacy Act. NCHS provides consultation and technical assistance.

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports, microdata files, and compendiums of tables. Data are also released through MEPSnet, an online interactive tool developed to give users the ability to statistically analyze MEPS data in real time. Summary reports and compendiums of tables are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or as electronic files.

Printed documents and selected public use file data on CD-ROMs are available through the AHRQ Publications Clearinghouse. Write or call:

AHRQ Publications Clearinghouse
Attn: (publication number)
P.O. Box 8547
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Be sure to specify the AHRQ number of the document or CD-ROM you are requesting. Selected electronic files are available through the Internet on the MEPS Web site:

<http://www.meps.ahrq.gov/>

Additional information on MEPS is available from the MEPS project manager or the MEPS public use data manager at the Center for Cost and Financing Studies, Agency for Healthcare Research and Quality, 2101 East Jefferson Street, Suite 500, Rockville, MD 20852 (301-594-1406).

C. Technical Information

1.0 General Information

This documentation describes the data contained in MEPS Public Use Release HC-037, which is one in a series of public use data files to be released from 1999 of the Medical Expenditure Panel Survey Household Component (MEPS HC).

Released in ASCII and SAS formats, this public use file provides information on household-reported medical conditions collected on a nationally representative sample of the civilian noninstitutionalized population of the United States for calendar year 1999 MEPS HC.

This file contains 69,897 records. Each record represents one household-reported medical condition reported in the 1999 portion of Round 3, and Rounds 4 and 5 for Panel 3, as well as Rounds 1 and 2 of Panel 4, and the 1999 portion of Round 3 for Panel 4 (i.e., Rounds for MEPS panels covering calendar year 1999).

The following documentation offers a brief overview of the types and levels of data provided, the content and structure of the files and the codebook, and some programming information. It contains the following sections:

Data File Information

Survey Sample Information

Merging MEPS Data Files

Appendices

 Variable to Source Crosswalk

 Detailed ICD-9 Condition, Procedure, and Clinical Classification Code

 Frequencies

 List of Priority Conditions

A codebook of all the variables included in the 1999 Medical Conditions File is provided in a separate file (H37CB.PDF). The Readme file contains the programming information.

For more information on MEPS survey design see Cohen, 1997; Cohen 1997; and Cohen 1996. A copy of the survey instrument used to collect this information on this file is available on the MEPS web site: <http://www.meps.ahrq.gov>.

A database of all MEPS products released to date and a variable locator indicating the major MEPS HC data items on public use files that have been released to date can be found at the following link on the MEPS website: www.meps.ahrq.gov/Data_Public.htm.

2.0 Data File Information

This file contains 69,897 records. Each record represents one household-reported medical condition reported in the 1999 portion of Round 3, and Rounds 4 and 5 for Panel 3, as well as Rounds 1 and 2 of Panel 4, and the 1999 portion of Round 3 for Panel 4 (i.e., Rounds for MEPS panels covering calendar year 1999). Records included on this file met criterion 1 below and one of criteria 2 - 6.

- 1) The condition is reported by a household survey respondent residing in an eligible responding household.
- 2) The condition is reported during Rounds 4 and 5 of Panel 3 or Rounds 1 and 2 of Panels 3; or
- 3) The condition was identified as a priority condition in Panel 3 Rounds 1 or 2 (limited data are available on this file for these records, see Section 2.5.2 for details); or
- 4) The condition is reported in Round 3 of Panel 3 and links to a 1999 medical provider visit or a medication prescribed in 1999; or
- 5) The condition is reported in Round 3 or Panel 4 and links to a 1999 medical provider visit or a medicine prescribed in 1999; or
- 6) The condition is reported in Round 3 for either Panel 3 or Panel 4, does not link to a 1999 medical provider visit or a medication prescribed in 1999, and 50 percent or more of a respondent's reference period occurred in 1999.

For each variable on the file, both weighted and unweighted frequencies are provided in the codebook. Because the conditions identified in this file are derived from self-reports, these data cannot be used to make estimates of disease, prevalence of health conditions, or mortality/morbidity.

Data from this file can be merged with 1999 MEPS person-level data using DUPERSID to append person-level characteristics such as demographic or health insurance characteristics to each record (see Section 4.0 for details). Data from this file also can be merged to 1999 MEPS Medical Provider Event Files (HC-033A, HC-033B, HC-033D through HC-033H) by using the link files provided on HC-033I, File 1 (see HC-033I for details). Since each record represents a single condition reported by household respondents, some household respondents may have multiple medical conditions and thus will be represented on multiple records on this file. Other household respondents may have reported no medical conditions and thus will have no records on this file.

2.1 Codebook Structure

The codebook and data file sequence lists variables in the following order:

Unique person identifiers
Unique condition identifiers
Medical condition variables
Weight and variance estimation variables

2.2 Reserved Codes

The following reserved code values are used:

| VALUE | DEFINITION |
|--------------------|---|
| -1 INAPPLICABLE | Question was not asked due to skip pattern. |
| -7 REFUSED | Question was asked and respondent refused to answer question. |
| -8 DK | Question was asked and respondent did not know answer. |
| -9 NOT ASCERTAINED | Interviewer did not record the data. |

Generally, -1, -7, -8, and -9 have not been edited on this file. The values of -1 and -9 can be edited by analysts by following the skip patterns in the questionnaire. These reserve codes indicated appropriate responses for skip patterns associated with priority and injury conditions (see HC-018 Sections 2.2 for details.) Priority and injury conditions on the current file did not undergo the extensive editing they did on previous releases of the Medical Conditions file. Data users should note that the reserve codes -11 and -12 are not used on the current file.

2.3 Codebook Format

This codebook describes an ASCII data set and provides the following programming identifiers for each variable:

| IDENTIFIER | DESCRIPTION |
|-------------------|---|
| Name | Variable name (maximum of 8 characters) |
| Description | Variable descriptor (maximum 40 characters) |
| Format | Number of bytes |
| Type | Type of data: numeric (indicated by NUM) or character (indicated by CHAR) |
| Start | Beginning column position of variable in record |
| End | Ending column position of variable in record |

2.4 Variable Naming

In general, variable names reflect the content of the variable, with an 8-character limitation. For questions asked in a specific Round, the end digit in the variable name reflects the Round in which the question was asked. Edited variables end in an “X” and are so noted in the variable label.

Variables contained in this delivery were derived either from the questionnaire itself or from the CAPI. The source of each variable is identified in Appendix 1 entitled “Variable to Source Crosswalk.” Sources for each variable are indicated in one of four ways: (1) variables which are derived from CAPI or assigned in sampling are so indicated; (2) variables derived from complex algorithms associated with re-enumeration are labeled “RE Section”; (3) variables which come from one or more specific questions have those numbers and questionnaire section indicated in the “Source” column; (4) variables constructed from multiple questions using complex algorithms are labeled “Constructed” in the “SOURCE” column.

2.5 File Contents

2.5.1 Identifier Variables (DUID-CONDNRN)

The definitions of Dwelling Units (DU s) and Group Quarters in the MEPS-HC are generally consistent with the definitions employed for the National Health Interview Survey (NHIS). The dwelling unit ID (DUID) is a five-digit random number assigned after the case was sampled for MEPS. The person number (PID) uniquely identifies each person within the dwelling unit. The variable DUPERSID uniquely identifies each person represented on the file, and is the combination of the variables DUID and PID. CONDRN indicates the condition number as it was reported during the interview for an individual respondent (e.g., condition number 1, 2, 3, etc.) plus a control digit. The

current range for CONDN is 10-386 (1-38 conditions per person). Because some records did not meet the criteria to be included on the file (see Section 2.0) the actual number of records per person represented on the file is 1-31 and CONDN has not been edited. CONDIDX uniquely identifies each condition (i.e., each record on the file), and is the combination of DUPERSID and CONDN.

PANEL99 is a constructed variable used to specify the panel number for the interview. PANEL99 will indicate either Panel 3 or Panel 4.

CONDRN indicates the round in which the condition was first reported. For a small number of cases, conditions that actually began in an earlier round were not reported by respondents until subsequent rounds of data collection. For these cases no editing was performed to reconcile the round in which a condition began and the round that the condition was first reported.

2.5.2 Medical Condition Variables (PRIOLIST-CCCODEX)

This file contains variables describing medical conditions reported by respondents in several sections of the MEPS questionnaire, including the Condition Enumeration Section, Health Status Section, and all questionnaire sections collecting information about health provider visits, prescription medications, and disability days (see Variable-Source Crosswalk in Appendix 1 for details).

Priority Conditions and Injuries

Certain conditions were a priori designated as “priority conditions” (PRIOLIST=1) due to their prevalence, expense, or relevance to policy. Some were long-term life-threatening conditions, such as cancer, diabetes, emphysema, high cholesterol, HIV/AIDS, hypertension, ischemic heart disease, and stroke. Others were chronic manageable conditions, including arthritis, asthma, gall bladder disease, stomach ulcers, and back problems of any kind. In addition, Alzheimer’s disease or other dementias, as well as depression and anxiety disorders, were included in the priority list. For a complete listing of “priority conditions” see Appendix 4. Priority conditions were identified as such in the field by MEPS interviewers. Occasionally errors were made and not all priority conditions were identified. Consequently, these records are missing the follow-up questions described below. Likewise, some conditions were inaccurately identified as priority conditions. These records do have follow-up questions even though they are not priority conditions.

When a condition was first mentioned, respondents were asked whether it was due to an accident or an injury (INJURY=1). Some injuries are also priority conditions (e.g. back pain).

Date Priority Condition Began/Accident Occurred

The date a priority condition began (CONDBEGD, CONDBEGM, CONDBEGY) is collected only for conditions that appear on the priority list. The date an accident or injury occurred (ACCIDENTD, ACCENTM, ACCDENTY) is collected only for accident/injury conditions.

Round Specific Questions for Priority Conditions and Injuries

When a respondent first reported a condition on the priority list (PRIOLIST=1) or a condition caused by an injury (INJURY=1), a series of questions regarding health care utilization for that condition and the effect of that condition on the person's overall health was asked. The names of these variables end in 1, 2, 3, 4 or 5 indicating the round in which they were asked. The following questions were asked in the round in which the respondent first reported a priority condition or a condition resulting from an injury.

- a. Whether the respondent ever saw or talked to a doctor about the condition (SEEDREV1 – SEEDREV5).
- b. Whether the latest time a doctor was seen for this condition was before or after the beginning of the reference period for the interview Round (LSTSAW1). This question was asked **only** in Round 1.
- c. Whether the person was still being treated for the condition (STILTR1- STILTR5).
- d. How seriously the condition affected the person's overall health and well-being since it began (OVRALL1-OVRALL5).
- e. Whether the person with the condition himself/herself provided the information, versus being reported by another household member (WHOTYP1 – WHOTYP5).
- f. Whether the health care provider recommended further treatment or consultation for the condition (FURTCA1 – FURTCA5).
- g. How much follow-up care the person received for the condition (all; some; none; or still being treated) (FOLOCA1 – FOLOCA5).
- h. Whether the person saw or talked to a doctor about the condition during the reference period (SEEDREF1 – SEEDREF5). This variable was constructed for priority conditions only.

When a respondent reported a condition that resulted from an accident or injury (INJURY=1) the following information was obtained from respondents during the round in which the injury was first reported.

- a. whether or not the accident/injury occurred at work (ACCDNWRK) –
respondents aged 16 and younger were not asked this question and coded
ACCDNWRK = 1;
- b. where the accident happened (ACDNTLOC);
- c. if the accident/injury occurred at home, was it inside or outside the house.
(INOUTHH);
- d. whether or not the accident involved another vehicle, gun, weapon other than a
gun, poison, fire, drowning or near-drowning, sports injury, a fall, something else
(VEHICLE, GUN, WEAPON, POISON, FIREBURN, DROWN, SPORTS,
FALL, ACDNTOTH);
- e. whether or not the person has fully recovered from the injury (RECOVER);

For priority conditions only, additional information was obtained in rounds subsequent to the one in which the condition was first mentioned. This information was obtained only if there was a medical provider visit or a prescribed medication or a disability day associated with the condition in that round. If this occurred, the condition was “selected” for follow-up questions for the round.

For priority conditions selected in rounds after they were first mentioned, the following questions were asked:

- a. Whether the person saw or talked to a doctor about the condition during the reference period (SEEDREF1 – SEEDREF5).
- b. Whether the person was still being treated for the condition (STILTR1 – STILTR5).
- c. How seriously the condition affected the person’s overall health and well-being since it began (OVRALL1 – OVRALL5).
- d. Whether the person with the condition himself/herself provided the information, versus being reported by another household member (WHOTYP1 – WHOTYP5).

Treatment of Data from Rounds Not Occurring in 1999

For Panel 3, Rounds 1 and 2 occurred in 1997 and are not included on this file unless the condition was identified as a priority condition (see the discussion of PRIOFLG below). For Panel 4, Rounds 4 and 5 occurred in 2000 and are not included on this file.

Therefore, round-specific variables for Rounds 1 and 2 of Panel 3 are assigned an inapplicable code (-1) for respondents in Panel 3, and round-specific variables for Rounds 4 and 5 of Panel 4 are assigned an inapplicable code (-1). Data for Rounds 4 and 5 pertain only to Panel 3; data for Rounds 1 and 2 pertain only to Panel 4, and both panels

provide data from Round 3. (Note: PANEL99 must be used to identify whether Round 3 variables were collected in Panel 3 or Panel 4.)

All priority conditions and conditions resulting from an injury that were first reported in Rounds 1 or 2 of Panel 3 have round-specific data for those rounds included on the 1998 Medical Conditions File (HC-027). The variables PRIOFLG and INJURFLG indicate if the condition is “Not a priority/injury condition” (0), whether or not “Additional information is included on the 1998 Medical Condition File” (1), or if “all priority/injury information is included on the current file” (2).

Note: Priority conditions are generally chronic conditions. Even though a respondent may not have reported a medical provider visit, a prescribed medicine or a disability in 1999 due to the condition, analysts should consider that the respondent is probably still experiencing the condition. If a Panel 3 respondent reported a priority condition in Rounds 1 or 2 and did not have a provider visit, a prescribed medicine, or a disability day for the condition in Rounds 3, 4 or 5 of Panel 3, round-specific variables for Rounds 3, 4, and 5 are coded as –1. The only information provided on the current 1999 file is the ICD9CODX, ICD9PROX, and CCCODEX. These records also can be identified if PRIOFLG=1.

Rounds in Which Conditions were Reported/Selected (CRND1 – CRND5)

A set of constructed variables (CRND1 – CRND5) indicate the round in which the condition was first reported, and for subsequent rounds, the round(s) in which a medical provider event, prescription medication, or disability day occurred due to condition. For example, consider a condition for which CRND1 = 0, CRND2 = 1, and CRND3 = 1; this sequence of CRND indicators implies that the condition was not present during Round 1 (CRND1 = 0), was first mentioned during Round 2, and was associated with a medical event during Round 3. These round indicators have not been reconciled with CONDRN. CRND1 – CRND5 are not applicable for most pregnancies, prenatal visits, or deliveries due to the questionnaire design.

Disability Flag Variables

This file contains 3 flag variables indicating whether or not a condition is associated with a missed workday (MISSWORK), a missed school day (MISSSCHL), or a bed day (INBEDFLG). Due to the MEPS instrument design, there is no link indicating the **number** of disability days associated with a particular medical condition.

Diagnosis and Procedure Codes

The medical conditions and procedures reported by the Household Component respondent were recorded by the interviewer as verbatim text, which were then coded to fully-specified 1999 ICD-9-CM codes, including medical condition and V codes (see Health Care Financing Administration, 1980), by professional coders. Although codes were verified and error rates did not exceed 2.5 percent for any coder, analysts should not

presume this level of precision in the data; the ability of household respondents to report condition data that can be coded accurately should not be assumed (see Cox and Iachan, 1987; Edwards, et al, 1994; and Johnson and Sanchez, 1993).

In order to preserve respondent confidentiality, nearly all of the condition codes provided on this file (ICD9CODX) have been collapsed from fully specified codes to 3-digit code categories. Table 1 in Appendix 2 provides a table of unweighted and weighted frequencies for all ICD-9 condition code values reported on the file. In this table, values that reflect this collapsing have an asterisk in the label indicating that the 3-digit category includes all the subclassifications within that category. For example, the ICD9CODX value of 034 “Strep Throat/Scarlet Fev *” includes the fully-specified subclassifications 034.0 and 034.1; the value 296 “Affective Disorders*” includes the fully specified subclassifications 296.0 through 296.99. Less than 1 percent of the records on this file were edited further by collapsing two or more 3-digit codes into one 3-digit code.

Similarly, most of the procedure codes (ICD9PROX) were collapsed from fully specified codes to 2-digit category codes. Table 2 in Appendix 2 provides unweighted and weighted frequencies for ICD9PROX, and this type of collapsing is identified by an asterisk in the variable label. For example, the ICD9PROX value in 81 “Joint Repair*” includes subclassifications 81.0 through 81.99. Some records were further edited to combine 2 or more 2-digit categories.

Users should note that because of the design of the survey, most deliveries (i.e. births) are coded as pregnancies. For more accurate estimates for deliveries analysts should use RSINHOS “Reason Entered Hospital” found on the Hospital Inpatient Stays Public Use File (HC-033D).

Conditions and procedures were reported in the same sections of the HC questionnaire (see Variable-Source Crosswalk in Appendix 1). Labels for all values of the variables ICD9CODX and ICD9PROX, as shown in Tables 1 and 2, are provided in the SAS programming statements included in this release (see the HC-035SU.TXT file).

Clinical Classification Codes

ICD-9-CM condition codes have been aggregated into clinically meaningful categories that group similar conditions (CCCODEX). CCODEX was generated using Clinical Classification Software (formerly known as Clinical Classifications for Health Care Policy Research (CCHPR)), (Elixhauser, et.al., 1999), which aggregates conditions and V-codes into 259 mutually exclusive categories, most of which are clinically homogeneous. Appendix 3 lists the ICD-9-CM codes that have been aggregated for each clinical classification category. Note that the reported ICD-9-CM code values were mapped to the appropriate clinical classification category prior to being collapsed to 3-digit ICD-9 codes. For confidentiality purposes a small number (less than 2 percent) of clinical classification codes have been edited. Table 3 in Appendix 2 provides weighted and unweighted frequencies for CCCODEX. Labels for all values of the variable

CCCODEX, as shown in Table 3, are provided in the SAS programming statements included in this release (see the HC-035SU.TXT file).

2.5.3 Utilization Variables (OBNUM – RXNUM)

The variables are OBNUM, OPNUM, HHNUM, DNNUM, HSNUM, ERNUM, and RXNUM indicate the total number of 1999 medical provider events that can be linked to each condition record on the current file for each event type, i.e., office-based, outpatient, home health, dental, hospital stays, emergency room visits, and prescribed medicines, respectively.

These counts of events were derived from Medical Provider Event Public Use Files (HC-033A, HC-033B and HC-033D - HC-033H). Medical provider events associated with conditions include all utilization that occurred between January 1, 1999 and December 31, 1999.

Because persons can be seen for more than one condition per visit, these frequencies will not match the person- or event-level utilization counts. For example, if a person had one hospital stay and was treated for a fractured hip and a fractured shoulder and a concussion, each of these conditions has a unique record and HSNUM=1 for each record. If you sum HSNUM for these records, then the total hospital stays would be 3 when actually there was only 1 hospital stay for that person and 3 conditions were treated. These variables are useful if you wanted to know the number of hospitals for head injuries, hip fractures, etc.

3.0 Sample Weights and Variance Estimation Variables (PERWT99F-VARPSU98)

3.1 Overview

There is a single full year person-level weight (PERWT99F) assigned to each record for each key, in-scope person who responded to MEPS for the full period of time that he or she was in-scope during 1999. A key person either was a member of an NHIS household at the time of the NHIS interview, or became a member of such a household after being out-of-scope at the time of the NHIS (examples of the latter situation include newborns and persons returning from military service, an institution, or living outside the United States). A person is in-scope whenever he or she is a member of the civilian noninstitutionalized portion of the U.S. population.

3.2 Details on Person Weights Construction

The person-level weight PERWT99F was developed in three stages. A person level weight for Panel 4 was created, including both an adjustment for nonresponse over time and poststratification, controlling to Current Population Survey (CPS) population estimates based on five variables. Variables used in the establishment of person-level poststratification control figures included: census region (Northeast, Midwest, South,

West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex; and age. Then a person level weight for Panel 3 was created, again including an adjustment for nonresponse over time and poststratification, again controlling to CPS population estimates based on the same five variables. When poverty status information derived from income variables became available, a 1999 composite weight was formed from the Panel 3 and Panel 4 weights by multiplying the Panel weights by .5. Then a final poststratification was done on this composite weight variable, including poverty status (below poverty, from 100 to 125 percent of poverty, from 125 to 200 percent of poverty, from 200 to 400 percent of poverty, at least 400 percent of poverty) as well as the original five poststratification variables in the establishment of control totals.

3.2.1 MEPS Panel 3 Weight

The person level weight for MEPS Panel 3 was developed using the 1998 full year weight for an individual as a “base” weight for survey participants present in 1998. For key, in-scope respondents who joined a RU some time in 1999 after being out of scope in 1998, the 1998 family weight associated with the family the person joined served as a “base” weight. The weighting process included an adjustment for nonresponse over Rounds 4 and 5 as well as poststratification to population control figures for December 1999. These control figures were derived by scaling back the population totals obtained from the March 1999 CPS to reflect the December, 1999 CPS estimated population distribution across age and sex categories as of December, 1999. Variables used in the establishment of person level poststratification control figures included: census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex, and age. Overall, the weighted population estimate for the civilian, noninstitutionalized population on December 31, 1999 is 273,003,778. Key, responding persons not in-scope on December 31, 1999 but in-scope earlier in the year retained, as their final Panel 3 weight, the weight after the nonresponse adjustment.

3.2.2 MEPS Panel 4 Weight

The person level weight for MEPS Panel 4 was developed using the MEPS Round 1 person-level weight as a ‘base’ weight. For key, in-scope respondents who joined a RU after Round 1, the Round 1 family weight served as a “base” weight. The weighting process included an adjustment for nonresponse over Round 2 and the 1999 portion of Round 3 as well as poststratification to the same population control figures for December 1999 used for the MEPS Panel 3 weights. The same five variables employed for Panel 3 poststratification (census region, MSA status, race/ethnicity, sex, and age) were used for Panel 4 poststratification. Similarly, for Panel 4, key, responding persons not in-scope on December 31, 1999 but in-scope earlier in the year retained, as their final Panel 4 weight, the weight after the nonresponse adjustment.

Note that the MEPS round 1 weights (for both panels with one exception as noted below) incorporated the following components: the original household probability of selection for the NHIS; ratio-adjustment to NHIS-based national population estimates at the

household (occupied dwelling unit) level; adjustment for nonresponse at the dwelling unit level for Round 1; and poststratification to figures at the family and person level obtained from the March 1999 CPS data base.

3.2.3 The Final Weight for 1999

Variables used in the establishment of person level poststratification control figures included: poverty status (below poverty, from 100 to 125 percent of poverty, from 125 to 200 percent of poverty, from 200 to 400 percent of poverty, at least 400 percent of poverty); census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex, and age.

Overall, the weighted population estimate for the civilian, noninstitutionalized population for December 31, 1999 is 273,003,778 (PERWT99F>0 and INSC1231=1). The inclusion of key, in-scope persons who were not in-scope on December 31, 1999 brings the estimated total number of persons represented by the MEPS respondents over the course of the year up to 276,410,767 (PERWT99F>0). The weighting process included poststratification to population totals obtained from the 1996 MEPS Nursing Home Component for the number of individuals admitted to nursing homes. For the 1999 full year file an additional poststratification was done to population totals obtained from the 1998 Medicare Current Beneficiary Survey (MCBS) for the number of deaths among Medicare beneficiaries experienced in the 1999 MEPS.

3.3 Coverage

The target population for MEPS in this file is the 1999 U.S. civilian, noninstitutionalized population. However, the MEPS sampled households are a subsample of the NHIS households interviewed in 1998 (Panel 3) and 1999 (Panel 4). New households created after the NHIS interviews for the respective Panels and consisting exclusively of persons who entered the target population after 1998 (Panel 3) or after 1999 (Panel 4) are not covered by MEPS. These would include families consisting solely of: immigrants; persons leaving the military; U.S. citizens returning from residence in another country; and persons leaving institutions. It should be noted that this set of uncovered persons constitutes only a tiny proportion of the MEPS target population

3.4 Variance Estimation

To obtain estimates of variability (such as the standard error of sample estimates or corresponding confidence intervals) for estimates based on MEPS survey data, one needs to take into account the complex sample design of MEPS. Various approaches can be used to develop such estimates of variance including use of the Taylor series or various replication methodologies. Replicate weights have not been developed for the MEPS 1999 data. Variables needed to implement a Taylor series estimation approach are provided in the file and are described in the paragraph below.

Using a Taylor Series approach, variance estimation strata and the variance estimation PSUs within these strata must be specified. The corresponding variables on the MEPS full year utilization database are VARSTR99 and VARPSU99, respectively. Specifying a

“with replacement” design in a computer software package such as SUDAAN (Shah, 1996) should provide standard errors appropriate for assessing the variability of MEPS survey estimates. It should be noted that the number of degrees of freedom associated with estimates of variability indicated by such a package may not appropriately reflect the actual number available. For MEPS sample estimates for characteristics generally distributed throughout the country (and thus the sample PSUs), there are over 100 degrees of freedom associated with the corresponding estimates of variance.

4.0 Merging MEPS Data Files

Data from the current file can be used alone or in conjunction with other files. Merging characteristics of interest from person-level files expands the scope of potential estimates. See HC-033I for instructions on merging the condition file to the Medical Event Files. Person-level characteristics can be merged to the condition file using the following procedure:

1. Sort the person-level file by person identifier, DUPERSID. Keep only variables to be merged on to the conditions file and DUPERSID.
2. Sort the conditions file by person identifier, DUPERSID.
3. Merge both files by DUPERSID, and output all records in the conditions file.
4. If PERS contains the person-level variables, and COND is the conditions file, the following code can be used to add person-level variables to the person’s conditions in condition-level file.

```
PROC SORT DATA=PERS(KEEP=DUPERSID AGE SEX EDUC)
OUT=PERSX; BY DUPERSID;
RUN;
```

```
PROC SORT DATA=COND; BY DUPERSID;
RUN;
```

```
DATA COND;
MERGE COND (IN=A) PERSX(IN=B); BY DUPERSID;
IF A;
RUN;
```

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Appendix 1
FOR MEPS PUBLIC USE RELEASE HC-037
UNIQUE IDENTIFIER VARIABLES

| VARIABLE | LABEL | SOURCE ¹ |
|----------|---|----------------------|
| DUID | Dwelling Unit ID (DU) | Assigned in Sampling |
| PID | Person Number (PN) | Assigned in Sampling |
| DUPERSID | Sample person ID (DU + PN) | Assigned in Sampling |
| CONDN | Condition Number | CAPI Derived |
| CONDIDX | Cond ID Key: DUID + Counter (3) + CONDN | CAPI Derived |
| PANEL99 | Panel Number | Constructed |
| CONDRN | Condition Round Number | CAPI Derived |

MEDICAL CONDITION VARIABLES

| VARIABLE | LABEL | SOURCE |
|----------|--|-------------------------|
| PRIOLIST | Is Condition On Priority List | CN02 |
| CONDBEGD | Date Condition Started --Day | CN05 |
| CONDBEGM | Date Condition Started -Month | CN05 |
| CONDBEGY | Date Condition Started --Year | CN05 |
| SEEDREV1 | RD1: Ever See/Talk to Dr. About Condition | CN03, CN07 |
| SEEDREV2 | RD2: Ever See/Talk to Dr. About Condition | CN03, CN07 |
| SEEDREV3 | RD3: Ever See/Talk to Dr. About Condition | CN03, CN07 |
| SEEDREV4 | RD4: Ever See/Talk to Dr. About Condition | CN03, CN07 |
| SEEDREV5 | RD5: Ever See/Talk to Dr. About Condition | CN03, CN07 |
| LSTSAW1 | RD1: When Was Last Time Dr. Was Seen | CN04 (Edited) |
| STILTR1 | RD1: Is Person Still Treated For Condition | CN11, CN18 (Edited) |
| STILTR2 | RD2: Is Person Still Treated For Condition | CN11, CN18 (Edited) |
| STILTR3 | RD3: Is Person Still Treated For Condition | CN11, CN18 (Edited) |
| STILTR4 | RD4: Is Person Still Treated For Condition | CN11, CN18 (Edited) |
| STILTR5 | RD5: Is Person Still Treated For Condition | CN11, CN18 (Edited) |
| OVRALL1 | RD1: How Did Condition Affect Overall Health | CN13, CN19 (Edited) |
| OVRALL2 | RD2: How Did Condition Affect Overall Health | CN13, CN19 (Edited) |
| OVRALL3 | RD3: How Did Condition Affect Overall Health | CN13, CN19 (Edited) |
| OVRALL4 | RD4: How Did Condition Affect Overall Health | CN13, CN19 (Edited) |
| OVRALL5 | RD5: How Did Condition Affect Overall Health | CN13, CN19 (Edited) |
| WHOTYP1 | RD1: Who Reported Condition Affect | CN13OV, CN19OV (Edited) |
| WHOTYP2 | RD2: Who Reported Condition Affect | CN13OV, CN19OV (Edited) |
| WHOTYP3 | RD3: Who Reported Condition Affect | CN13OV, CN19OV (Edited) |
| WHOTYP4 | RD4: Who Reported Condition Affect | CN13OV, CN19OV (Edited) |
| WHOTYP5 | RD5: Who Reported Condition Affect | CN13OV, CN19OV (Edited) |
| FURTCA1 | RD1: Was Further Treatment Recommended | CN14 (Edited) |
| FURTCA2 | RD2: Was Further Treatment Recommended | CN14 (Edited) |

¹See the README file in the Survey Instruments section of the MEPS home page, for information on the MEPS HC questionnaire sections (e.g., RE, CN) shown in the Source column.

| VARIABLE | LABEL | SOURCE |
|----------|---|---|
| FURTCA3 | RD3: Was Further Treatment Recommended | CN14 (Edited) |
| FURTCA4 | RD4: Was Further Treatment Recommended | CN14 (Edited) |
| FURTCA5 | RD5: Was Further Treatment Recommended | CN14 (Edited) |
| FOLOCA1 | RD1: Receive Follow-Up Care for Condition | CN15 (Edited) |
| FOLOCA2 | RD2: Receive Follow-Up Care for Condition | CN15 (Edited) |
| FOLOCA3 | RD3: Receive Follow-Up Care for Condition | CN15 (Edited) |
| FOLOCA4 | RD4: Receive Follow-Up Care for Condition | CN15 (Edited) |
| FOLOCA5 | RD5: Receive Follow-Up Care for Condition | CN15 (Edited) |
| SEEDREF1 | RD1: Saw Doctor in Reference Period | CN17 |
| SEEDREF2 | RD2: Saw Doctor in Reference Period | CN17 |
| SEEDREF3 | RD3: Saw Doctor in Reference Period | CN17 |
| SEEDREF4 | RD4: Saw Doctor in Reference Period | CN17 |
| SEEDREF5 | RD5: Saw Doctor in Reference Period | CN17 |
| CRND1 | RD 1: Has Condition Round Information | Constructed |
| CRND2 | RD 2: Has Condition Round Information | Constructed |
| CRND3 | RD 3: Has Condition Round Information | Constructed |
| CRND4 | RD 4: Has Condition Round Information | Constructed |
| CRND5 | RD 5: Has Condition Round Information | Constructed |
| PRIORFLG | 1 = Initial Priority Information on 1997 File | |
| INJURY | Was Condition Due To Accident/Injury | CN02 |
| ACCDENTD | Date Of Accident -- Day | CN06 |
| ACCDENTM | Date Of Accident - Month | CN06 |
| ACCDENTY | Date Of Accident - Year | CN06 |
| ACCDNWRK | Did Accident Occur At Work | CN07 |
| ACDNTLOC | Where Did Accident Happen | CN08 |
| INOUTHH | Was Accident inside/Outside House | CN09 |
| VEHICLE | Was A Motor Vehicle Involved | CN10 |
| GUN | Was A Gun Involved | CN10 |
| WEAPON | Was Some Other Weapon Involved | CN10 |
| POISON | Was Poison/Poisonous Substance Involved | CN10 |
| FIREBURN | Was Fire/Burning Involved | CN10 |
| DROWN | Was Drowning/Near Drowning Involved | CN10 |
| SPORTS | Was It A Sports Injury | CN10 |
| FALL | Was It A Fall | CN10 |
| ACDNTOTH | Was Something Else Involved | CN10 |
| RECOVER | Fully Recovered From Condition | CN12 |
| INJURFLG | 1 = Initial Injury Information on 1997 File | |
| MISSWORK | Flag Associated With Missed Work days | DD04 |
| MISSSCHL | Flag Associated With Missed School Days | DD08 |
| INBEDFLG | Flag Associated With Bed Days | DD12 |
| ICD9CODX | ICD-9 Code for Condition | CE05, HS03, ER04, OP09, MV09, DN02, HH05, PM09 (Edited) |
| ICD9PROX | ICD-9 Code for Procedure | CE05, HS03, ER04, OP09, MV09, DN02, HH05, PM09 (Edited) |
| CCCODEX | Clinical Classification Code | Constructed/Edited |
| HHNUM | # Home Health Events Assoc. w/ Condition | Constructed |
| DNNUM | # Dental Events Assoc. w/ Condition | Constructed |
| HSNUM | # Hospital Stays Assoc. w/ Condition | Constructed |
| OPNUM | # Out-Patient Events Assoc. w/ Condition | Constructed |
| OBNUM | # Office-Based Events Assoc. w/ Condition | Constructed |

| VARIABLE | LABEL | SOURCE |
|----------|--|-------------|
| ERNUM | # ER Assoc. w/ Condition | Constructed |
| RXNUM | # Prescribed Medicines Associations W/ Condition | Constructed |

WEIGHTS AND VARIANCE ESTIMATION VARIABLES

| VARIABLE | LABEL | SOURCE |
|----------|----------------------------------|-------------|
| PERWT99F | Final Person Level Weight, 1999 | Constructed |
| VARPSU99 | Variance Estimation PSU 1999 | Constructed |
| VARSTR99 | Variance Estimation Stratum 1999 | Constructed |

**Appendix 2:
Condition, Procedure and Clinical Classification Code
Frequencies**

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| -1 | INAPPLICABLE | 1,560 | 18,436,722 |
| -8 | DK | 672 | 8,088,523 |
| 003 | OTH SALMONELLA INFECTION* | 4 | 44,110 |
| 005 | OTHER FOOD POISONING* | 76 | 1,019,803 |
| 006 | AMEBIASIS* | 1 | 3,521 |
| 007 | OTH PROTOZOAL INTEST DIS* | 6 | 108,576 |
| 008 | INTESTINAL INFECTION NEC* | 2,898 | 34,329,878 |
| 009 | ILL-DEFINED INTEST INF* | 17 | 110,773 |
| 011 | PULMONARY TUBERCULOSIS* | 23 | 185,065 |
| 016 | GENITOURINARY TB* | 1 | 9,040 |
| 034 | STREP THROAT/SCARLET FEV* | 482 | 6,197,870 |
| 038 | SEPTICEMIA* | 10 | 97,646 |
| 040 | OTHER BACTERIAL DISEASES* | 3 | 41,985 |
| 041 | BACT INF IN OTH DIS/NOS* | 99 | 1,227,979 |
| 042 | HUMAN IMMUNO VIRUS DIS | 17 | 226,930 |
| 048 | OTH ENTEROVIRAL CNS DIS | 1 | 18,989 |
| 052 | CHICKENPOX* | 67 | 818,138 |
| 053 | HERPES ZOSTER* | 73 | 934,887 |
| 054 | HERPES SIMPLEX* | 75 | 985,636 |
| 057 | OTHER VIRAL EXANTHEMATA* | 29 | 415,207 |
| 066 | OTHER ARTHROPOD VIRUS* | 1 | 9,651 |
| 070 | VIRAL HEPATITIS* | 44 | 487,852 |
| 075 | INFECTIOUS MONONUCLEOSIS | 34 | 528,861 |
| 078 | OTHER VIRAL DISEASE* | 137 | 1,814,848 |
| 079 | VIRAL INF IN OTH DIS/NOS* | 551 | 6,750,052 |
| 088 | OTH ARTHROPOD-BORNE DIS* | 13 | 167,195 |
| 098 | GONOCOCCAL INFECTIONS* | 4 | 58,673 |
| 099 | OTHER VENEREAL DISEASE* | 4 | 36,447 |
| 110 | DERMATOPHYTOSIS* | 223 | 2,631,928 |
| 111 | DERMATOMYCOSIS NEC/NOS* | 9 | 119,271 |
| 112 | CANDIDIASIS* | 195 | 2,444,649 |
| 117 | OTHER MYCOSES* | 25 | 293,144 |
| 123 | OTHER CESTODE INFECTION* | 1 | 4,759 |
| 127 | OTH INTEST HELMINTHIASES* | 15 | 221,847 |
| 128 | HELMINTHIASES NEC & NOS* | 2 | 12,015 |
| 129 | INTESTIN PARASITISM NOS | 1 | 12,941 |
| 130 | TOXOPLASMOSIS* | 1 | 17,744 |
| 131 | TRICHOMONIASIS* | 1 | 6,385 |
| 132 | PEDICULOSIS AND PHTHIRUS* | 53 | 606,481 |
| 133 | ACARIASIS* | 23 | 224,363 |
| 134 | OTHER INFESTATION* | 1 | 25,086 |
| 135 | SARCOIDOSIS | 6 | 89,321 |
| 136 | INF/PARASITE DIS NEC/NOS* | 84 | 855,674 |
| 138 | LATE EFFECT ACUTE POLIO | 6 | 59,675 |
| 139 | LATE EFFECT INFECT NEC* | 1 | 11,443 |
| 140 | MALIGNANT NEOPLASM LIP* | 5 | 95,248 |
| 149 | OTH MALIG NEO OROPHARYNX* | 9 | 94,539 |
| 150 | MALIGNANT NEO ESOPHAGUS* | 1 | 10,785 |
| 151 | MALIGNANT NEO STOMACH* | 6 | 68,175 |
| 152 | MALIG NEO SMALL BOWEL* | 1 | 7,123 |
| 153 | MALIGNANT NEOPLASM COLON* | 36 | 408,947 |
| 154 | MALIG NEO RECTUM/ANUS* | 1 | 4,761 |
| 155 | MALIGNANT NEOPLASM LIVER* | 7 | 77,726 |
| 156 | MAL NEO GB/EXTRAHEPATIC* | 2 | 29,318 |
| 157 | MALIGNANT NEO PANCREAS* | 9 | 98,132 |
| 160 | MAL NEO NASAL CAV/SINUS* | 2 | 51,692 |
| 162 | MAL NEO TRACHEA/LUNG* | 26 | 355,207 |
| 164 | MAL NEO THYMUS/MEDIASTIN* | 2 | 52,089 |
| 170 | MAL NEO BONE/ARTIC CART* | 13 | 127,735 |
| 171 | MAL NEO SOFT TISSUE* | 8 | 69,240 |
| 172 | MALIGNANT MELANOMA SKIN* | 27 | 384,238 |
| 173 | OTHER MALIG NEOPL SKIN* | 187 | 2,391,407 |
| 174 | MALIG NEO FEMALE BREAST* | 95 | 1,152,018 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 179 | MALIG NEOPL UTERUS NOS | 6 | 73,726 |
| 180 | MALIG NEOPL CERVIX UTERI* | 16 | 202,626 |
| 182 | MALIG NEOPL UTERUS BODY* | 3 | 24,189 |
| 183 | MAL NEO UTERINE ADNEXA* | 8 | 117,576 |
| 184 | MAL NEO FEM GEN NEC/NOS* | 2 | 0 |
| 185 | MALIGN NEOPL PROSTATE | 71 | 1,029,013 |
| 186 | MALIGN NEOPL TESTIS* | 2 | 25,816 |
| 187 | MAL NEO MALE GENITAL NEC* | 1 | 13,061 |
| 188 | MALIGN NEOPL BLADDER* | 22 | 287,084 |
| 189 | MAL NEO URINARY NEC/NOS* | 5 | 60,912 |
| 191 | MALIGNANT NEOPLASM BRAIN* | 5 | 53,017 |
| 193 | MALIGN NEOPL THYROID | 10 | 167,052 |
| 194 | MAL NEO OTHER ENDOCRINE* | 1 | 10,485 |
| 195 | MAL NEO OTH/ILL-DEF SITE* | 9 | 95,465 |
| 198 | SEC MALIG NEO OTH SITES* | 2 | 21,832 |
| 199 | MALIGNANT NEOPLASM NOS* | 50 | 615,185 |
| 201 | HODGKIN'S DISEASE* | 7 | 64,512 |
| 202 | OTH MAL NEO LYMPH/HISTIO* | 13 | 119,784 |
| 203 | MULTIPLE MYELOMA ET AL* | 5 | 59,857 |
| 204 | LYMPHOID LEUKEMIA* | 3 | 39,685 |
| 205 | MYELOID LEUKEMIA* | 1 | 12,825 |
| 208 | LEUKEMIA-UNSPECIF CELL* | 9 | 94,713 |
| 211 | OTH BENIGN NEOPLASM GI* | 34 | 462,229 |
| 212 | BEN NEO RESP SYST/THORAX* | 2 | 12,601 |
| 213 | BEN NEO BONE/ARTIC CART* | 1 | 0 |
| 214 | LIPOMA* | 10 | 115,667 |
| 215 | OTH BEN NEO SOFT TISSUE* | 39 | 444,422 |
| 216 | BENIGN NEOPLASM OF SKIN* | 198 | 2,853,323 |
| 217 | BENIGN NEOPLASM BREAST | 7 | 117,219 |
| 218 | UTERINE LEIOMYOMA* | 16 | 207,352 |
| 220 | BENIGN NEOPLASM OVARY | 3 | 22,665 |
| 225 | BENIGN NEO NERVOUS SYST* | 3 | 31,210 |
| 226 | BENIGN NEOPLASM THYROID | 1 | 8,430 |
| 227 | BEN NEO OTH ENDOCRINE* | 1 | 9,146 |
| 228 | HEMANGIOMA/LYMPHANGIOMA* | 5 | 98,821 |
| 229 | BENIGN NEOPLASM NEC/NOS* | 7 | 79,335 |
| 233 | CA IN SITU BREAST/GU* | 1 | 7,528 |
| 235 | UNC BEHAV NEO GI/RESP* | 10 | 134,742 |
| 236 | UNC BEHAV NEO GU* | 1 | 14,838 |
| 237 | UNCR NEO ENDOCRINE/NERV* | 1 | 1,492 |
| 238 | UNC BEHAV NEO NEC/NOS* | 23 | 357,090 |
| 239 | UNSPECIFIED NEOPLASM* | 188 | 2,463,381 |
| 240 | GOITER, SIMPLE/NOS* | 18 | 235,698 |
| 241 | NONTOXIC NODULAR GOITER* | 6 | 70,512 |
| 242 | THYROTOXICOSIS* | 76 | 1,094,595 |
| 244 | ACQUIRED HYPOTHYROIDISM* | 320 | 4,007,476 |
| 245 | THYROIDITIS* | 13 | 164,197 |
| 246 | OTH DISORDERS OF THYROID* | 430 | 5,032,737 |
| 250 | DIABETES MELLITUS* | 1,164 | 12,583,506 |
| 251 | OTH PANCREATIC DISORDER* | 45 | 603,961 |
| 252 | PARATHYROID DISORDER* | 2 | 15,052 |
| 253 | PITUITARY/HYPOTHALM DIS* | 9 | 98,629 |
| 255 | ADRENAL GLAND DISORDERS* | 7 | 101,511 |
| 256 | OVARIAN DYSFUNCTION* | 8 | 132,755 |
| 257 | TESTICULAR DYSFUNCTION* | 1 | 9,354 |
| 259 | OTH ENDORINE DISORDERS* | 245 | 2,940,786 |
| 263 | PROT-CAL MALNUTR NEC/NOS* | 2 | 16,530 |
| 266 | B-COMPLEX DEFICIENCIES* | 6 | 74,435 |
| 268 | VITAMIN D DEFICIENCY* | 1 | 4,665 |
| 269 | OTH NUTRITION DEFICIENCY* | 6 | 55,595 |
| 271 | DIS CARBOHYDRATE METABOL* | 6 | 136,834 |
| 272 | DIS OF LIPOID METABOLISM* | 1,044 | 12,892,038 |
| 274 | GOUT* | 163 | 2,076,165 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 275 | DIS MINERAL METABOLISM* | 23 | 268,796 |
| 276 | FLUID/ELECTROLYTE DIS* | 458 | 5,551,802 |
| 277 | METABOLISM DIS NEC/NOS* | 9 | 102,965 |
| 278 | OBESITY/HYPERALIMENT* | 67 | 799,832 |
| 279 | DIS IMMUNE MECHANISM* | 12 | 172,161 |
| 280 | IRON DEFICIENCY ANEMIAS* | 37 | 382,205 |
| 281 | OTHER DEFICIENCY ANEMIA* | 5 | 63,922 |
| 282 | HEREDIT HEMOLYTIC ANEMIA* | 14 | 149,782 |
| 285 | ANEMIA NEC/NOS* | 172 | 1,850,335 |
| 286 | COAGULATION DEFECTS* | 5 | 45,313 |
| 287 | PURPURA & OTH HEMOR COND* | 10 | 141,757 |
| 288 | WBC DISORDERS* | 6 | 52,087 |
| 289 | OTHER BLOOD DISEASE* | 63 | 688,358 |
| 290 | SENILE/PRESENILE PSYCHOS* | 2 | 22,217 |
| 292 | DRUG PSYCHOSES* | 1 | 11,360 |
| 294 | OTHER ORGANIC PSYCH COND* | 22 | 333,610 |
| 295 | SCHIZOPHRENIC DISORDERS* | 35 | 403,303 |
| 296 | AFFECTIVE PSYCHOSES* | 119 | 1,422,921 |
| 297 | PARANOID STATES* | 1 | 4,620 |
| 298 | OTH NONORGANIC PSYCHOSES* | 16 | 200,965 |
| 299 | PSYCHOSES OF CHILDHOOD* | 15 | 134,576 |
| 300 | NEUROTIC DISORDERS* | 563 | 7,244,780 |
| 301 | PERSONALITY DISORDERS* | 12 | 116,748 |
| 302 | SEXUAL DISORDERS* | 19 | 312,603 |
| 303 | ALCOHOL DEPENDENCE SYNDR* | 21 | 233,249 |
| 304 | DRUG DEPENDENCE* | 13 | 182,191 |
| 305 | NONDEPENDENT DRUG ABUSE* | 46 | 692,488 |
| 306 | PSYCHOPHYSIOLOGIC DIS* | 15 | 164,827 |
| 307 | SPECIAL SYMPTOM NEC* | 44 | 646,055 |
| 308 | ACUTE REACTION TO STRESS* | 340 | 4,191,747 |
| 309 | ADJUSTMENT REACTION* | 52 | 649,490 |
| 310 | NONPSYCHOTIC BRAIN SYND* | 3 | 27,122 |
| 311 | DEPRESSIVE DISORDER NEC | 1,201 | 15,061,913 |
| 312 | CONDUCT DISTURBANCE NEC* | 34 | 288,042 |
| 313 | EMOTIONAL DIS CHILD/ADOL* | 4 | 21,236 |
| 314 | HYPERKINETIC SYNDROME* | 267 | 3,105,434 |
| 315 | SPECIFIC DEVELOP DELAYS* | 24 | 279,741 |
| 317 | MILD MENTAL RETARDATION | 6 | 87,661 |
| 319 | MENTAL RETARDATION NOS | 26 | 272,133 |
| 322 | MENINGITIS, UNSPECIFIED* | 15 | 130,099 |
| 323 | ENCEPHALOMYELITIS* | 5 | 56,446 |
| 331 | CEREBRAL DEGENERATION* | 46 | 610,300 |
| 332 | PARKINSON'S DISEASE* | 37 | 512,265 |
| 333 | EXTRAPYRAMIDAL DIS NEC* | 34 | 512,678 |
| 334 | SPINOCEREBELLAR DISEASE* | 1 | 17,831 |
| 336 | SPINAL CORD DISEASE NEC* | 11 | 91,076 |
| 337 | AUTONOMIC NERVE DISORDER* | 7 | 112,714 |
| 340 | MULTIPLE SCLEROSIS | 27 | 293,246 |
| 342 | HEMIPLEGIA* | 3 | 10,210 |
| 343 | INFANTILE CEREBRAL PALSY* | 25 | 240,646 |
| 344 | OTH PARALYTIC SYNDROMES* | 9 | 106,356 |
| 345 | EPILEPSY* | 67 | 767,620 |
| 346 | MIGRAINE* | 445 | 5,006,733 |
| 347 | CATAPLEXY AND NARCOLEPSY | 6 | 86,258 |
| 348 | OTHER BRAIN CONDITIONS* | 22 | 261,398 |
| 349 | CNS DISORDER NEC/NOS* | 14 | 132,521 |
| 350 | TRIGEMINAL NERV DISORDER* | 2 | 41,791 |
| 351 | FACIAL NERVE DISORDERS* | 21 | 261,260 |
| 352 | DISORDER CRAN NERVE NEC* | 1 | 16,748 |
| 353 | NERVE ROOT/PLEXUS DIS* | 14 | 173,830 |
| 354 | MONONEURITIS UPPER LIMB* | 149 | 1,724,122 |
| 355 | MONONEURITIS LEG* | 180 | 2,415,192 |
| 356 | HERED PERIPH NEUROPATHY* | 17 | 220,284 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 357 | INFLAM/TOXIC NEUROPATHY* | 2 | 24,876 |
| 358 | MYONEURAL DISORDERS* | 4 | 41,817 |
| 359 | MUSCULAR DYSTROPHIES* | 9 | 96,998 |
| 360 | DISORDERS OF THE GLOBE* | 176 | 2,213,475 |
| 361 | RETINAL DETACHMENT* | 24 | 308,294 |
| 362 | RETINAL DISORDERS NEC* | 84 | 1,033,667 |
| 363 | CHOROIDAL DISORDERS* | 5 | 73,145 |
| 364 | IRIS/CILIARY BODY DIS* | 7 | 77,332 |
| 365 | GLAUCOMA* | 265 | 3,339,399 |
| 366 | CATARACT* | 340 | 4,332,455 |
| 367 | DISORDERS OF REFRACTION* | 401 | 5,275,563 |
| 368 | VISUAL DISTURBANCES* | 111 | 1,324,520 |
| 369 | BLINDNESS AND LOW VISION* | 69 | 756,611 |
| 370 | KERATITIS* | 1 | 0 |
| 371 | CORNEAL OPACITY/DISORDER* | 17 | 188,616 |
| 372 | DISORDERS OF CONJUNCTIVA* | 182 | 2,352,561 |
| 373 | INFLAMMATION OF EYELIDS* | 30 | 405,307 |
| 374 | DISORDERS OF EYELIDS NEC* | 17 | 302,536 |
| 375 | LACRIMAL SYSTEM DISORDER* | 48 | 582,857 |
| 376 | DISORDERS OF THE ORBIT* | 2 | 29,206 |
| 377 | DISORDERS OF OPTIC NERVE* | 3 | 24,957 |
| 378 | STRABISMUS* | 15 | 204,868 |
| 379 | EYE DISORDERS NEC* | 172 | 2,130,097 |
| 380 | DISORDER OF EXTERNAL EAR* | 88 | 1,138,199 |
| 381 | NONSUPPUR OTITIS MEDIA* | 12 | 166,559 |
| 382 | OTITIS MEDIA, SUPPUR/NOS* | 1,406 | 17,238,173 |
| 383 | MASTOIDITIS ET AL* | 1 | 11,917 |
| 384 | DISORD TYMPANIC MEMB NEC* | 13 | 139,893 |
| 385 | DIS MID EAR/MASTOID NEC* | 3 | 58,211 |
| 386 | VERTIGINOUS SYNDROMES* | 75 | 1,061,445 |
| 388 | DISORDERS OF EAR NEC* | 216 | 2,503,067 |
| 389 | HEARING LOSS* | 139 | 1,810,416 |
| 390 | RHEUM FEV W/O HRT INVOLV | 4 | 38,660 |
| 394 | DISEASES OF MITRAL VALVE* | 2 | 37,630 |
| 397 | ENDOCARDIAL DISEASE NEC* | 1 | 10,461 |
| 398 | OTH RHEUMATIC HEART DIS* | 2 | 21,008 |
| 401 | ESSENTIAL HYPERTENSION* | 2,756 | 32,168,643 |
| 402 | HYPERTENSIVE HEART DIS* | 5 | 44,652 |
| 410 | ACUTE MYOCARDIAL INFARCT* | 117 | 1,467,188 |
| 411 | OTH AC ISCHEMIC HRT DIS* | 11 | 95,092 |
| 412 | OLD MYOCARDIAL INFARCT | 16 | 159,694 |
| 413 | ANGINA PECTORIS* | 87 | 1,031,761 |
| 414 | OTH CHR ISCHEMIC HRT DIS* | 75 | 881,299 |
| 415 | ACUTE PULMONARY HRT DIS* | 7 | 67,929 |
| 416 | CHR PULMONARY HEART DIS* | 4 | 62,690 |
| 422 | ACUTE MYOCARDITIS* | 1 | 60,190 |
| 423 | OTH PERICARDIAL DISEASE* | 2 | 18,271 |
| 424 | OTH ENDOCARDIAL DISEASE* | 103 | 1,268,793 |
| 425 | CARDIOMYOPATHY* | 6 | 54,163 |
| 426 | CONDUCTION DISORDERS* | 13 | 196,858 |
| 427 | CARDIAC DYSRHYTHMIAS* | 318 | 4,265,621 |
| 428 | HEART FAILURE* | 114 | 1,422,553 |
| 429 | ILL-DEFINED HEART DIS* | 563 | 6,596,940 |
| 430 | SUBARACHNOID HEMORRHAGE | 1 | 22,962 |
| 431 | INTRACEREBRAL HEMORRHAGE | 2 | 22,119 |
| 432 | INTRACRANIAL HEM NEC/NOS* | 2 | 25,898 |
| 433 | PRECEREBRAL OCCLUSION* | 17 | 228,652 |
| 434 | CEREBRAL ARTERY OCCLUS* | 1 | 10,185 |
| 435 | TRANSIENT CEREB ISCHEMIA* | 11 | 120,005 |
| 436 | CVA | 168 | 2,057,234 |
| 437 | OTH CEREBROVASC DISEASE* | 13 | 134,739 |
| 438 | LATE EFF CEREBROVASC DIS* | 14 | 150,373 |
| 440 | ATHEROSCLEROSIS* | 27 | 369,951 |

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|-----------------------------|------------|-------------------------|
| 441 | AORTIC ANEURYSM* | 14 | 206,315 |
| 442 | OTHER ANEURYSM* | 21 | 224,165 |
| 443 | OTH PERIPH VASCULAR DIS* | 9 | 128,324 |
| 444 | ARTERIAL EMBOLISM* | 73 | 911,021 |
| 446 | POLYARTERIT NODOSA ET AL* | 3 | 29,620 |
| 447 | OTHER ARTERIAL DISEASE* | 29 | 470,903 |
| 448 | DISEASE OF CAPILLARIES* | 3 | 45,076 |
| 451 | THROMBOPHLEBITIS* | 8 | 72,614 |
| 453 | OTH VENOUS THROMBOSIS* | 41 | 401,943 |
| 454 | VARICOSE VEINS, LEG* | 31 | 351,057 |
| 455 | HEMORRHOIDS* | 75 | 876,341 |
| 456 | VARICOSE VEINS NEC* | 1 | 7,143 |
| 457 | NONINFECT LYMPHATIC DIS* | 5 | 39,282 |
| 458 | HYPOTENSION NEC | 34 | 370,541 |
| 459 | OTH CIRCULATORY DISEASE* | 155 | 1,738,262 |
| 460 | ACUTE NASOPHARYNGITIS | 3,897 | 46,563,141 |
| 461 | ACUTE SINUSITIS* | 11 | 175,683 |
| 462 | ACUTE PHARYNGITIS | 559 | 6,574,726 |
| 463 | ACUTE TONSILLITIS | 111 | 1,192,896 |
| 464 | AC LARYNGITIS/TRACHEITIS* | 81 | 1,205,009 |
| 465 | AC URI MULT SITES/NOS* | 234 | 3,102,533 |
| 466 | AC BRONCHITIS/BRONCHIOL* | 38 | 586,334 |
| 470 | DEVIATED NASAL SEPTUM | 6 | 85,572 |
| 471 | NASAL POLYPS* | 5 | 84,181 |
| 472 | CHR PHARYNG/NASOPHARYNG* | 11 | 121,749 |
| 473 | CHRONIC SINUSITIS* | 1,250 | 16,272,816 |
| 474 | CHR T & A DIS* | 23 | 202,406 |
| 475 | PERITONSILLAR ABSCESS | 1 | 1,954 |
| 477 | ALLERGIC RHINITIS* | 1,815 | 22,184,328 |
| 478 | OTH UPPR RESPIRATORY DIS* | 653 | 7,069,593 |
| 480 | VIRAL PNEUMONIA* | 4 | 54,836 |
| 481 | PNEUMOCOCCAL PNEUMONIA | 1 | 8,953 |
| 482 | OTH BACTERIAL PNEUMONIA* | 7 | 101,627 |
| 485 | BRONCHOPNEUMONIA ORG NOS | 20 | 212,779 |
| 486 | PNEUMONIA, ORGANISM NOS | 377 | 4,604,158 |
| 487 | INFLUENZA* | 1,679 | 18,794,072 |
| 490 | BRONCHITIS NOS | 904 | 11,044,197 |
| 491 | CHRONIC BRONCHITIS* | 25 | 313,281 |
| 492 | EMPHYSEMA* | 125 | 1,495,798 |
| 493 | ASTHMA* | 1,088 | 12,145,446 |
| 496 | CHR AIRWAY OBSTRUCT NEC | 16 | 241,503 |
| 500 | COAL WORKERS' PNEUMOCON | 4 | 35,129 |
| 505 | PNEUMOCONIOSIS, UNSPECIFIED | 5 | 50,019 |
| 507 | SOLID/LIQ PNEUMONITIS* | 1 | 8,628 |
| 511 | PLEURISY* | 31 | 396,545 |
| 512 | PNEUMOTHORAX* | 3 | 25,932 |
| 513 | LUNG/MEDIASTINUM ABSCESS* | 2 | 16,014 |
| 514 | PULM CONGEST/HYPOSTASIS | 70 | 822,535 |
| 515 | POST INFLAM PULM FIBROSIS | 2 | 25,827 |
| 518 | OTHER LUNG DISEASES* | 104 | 1,264,808 |
| 519 | OTH RESP SYSTEM DISEASES* | 181 | 2,105,546 |
| 520 | TOOTH DEVELOP/ERUPT DIS* | 24 | 303,310 |
| 521 | HARD TISSUE DIS OF TEETH* | 55 | 634,593 |
| 522 | PULP & PERIAPICAL DIS* | 243 | 2,895,946 |
| 523 | GINGIVAL/PERIODONTAL DIS* | 112 | 1,394,086 |
| 524 | DENTOFACIAL ANOMALIES* | 22 | 262,292 |
| 525 | OTHER DENTAL DISORDER* | 271 | 3,178,639 |
| 526 | JAW DISEASES* | 22 | 299,933 |
| 527 | SALIVARY GLAND DISEASES* | 16 | 172,400 |
| 528 | ORAL SOFT TISSUE DISEASE* | 94 | 1,091,180 |
| 529 | TONGUE DISORDERS* | 4 | 60,968 |
| 530 | DISEASES OF ESOPHAGUS* | 347 | 4,300,004 |
| 531 | GASTRIC ULCER* | 127 | 1,440,955 |

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 532 | DUODENAL ULCER* | 6 | 39,090 |
| 533 | PEPTIC ULCER, SITE NOS* | 14 | 126,855 |
| 535 | GASTRITIS AND DUODENITIS* | 103 | 897,934 |
| 536 | STOMACH FUNCTION DISORD* | 613 | 6,753,782 |
| 537 | OTH GASTRODUODENAL DIS* | 202 | 2,340,022 |
| 540 | ACUTE APPENDICITIS* | 3 | 32,374 |
| 541 | APPENDICITIS NOS | 17 | 152,817 |
| 550 | INGUINAL HERNIA* | 20 | 239,340 |
| 552 | OTH ABDOM HERNIA W OBSTR* | 5 | 54,240 |
| 553 | OTHER ABDOMINAL HERNIA* | 272 | 3,149,423 |
| 555 | REGIONAL ENTERITIS* | 29 | 348,775 |
| 556 | IDIOPATHIC PROCTOCOLITIS* | 13 | 153,793 |
| 557 | VASC INSUFF INTESTINE* | 2 | 20,467 |
| 558 | OTH NONINF GASTROENTERIT* | 43 | 515,583 |
| 560 | INTESTINAL OBSTRUCTION* | 20 | 205,144 |
| 562 | DIVERTICULA OF INTESTINE* | 75 | 925,293 |
| 564 | FUNCT DIGESTIVE DIS NEC* | 176 | 2,082,314 |
| 565 | ANAL FISSURE & FISTULA* | 5 | 65,597 |
| 566 | ANAL & RECTAL ABSCESS | 3 | 29,851 |
| 568 | OTH PERITONEAL DISORDERS* | 1 | 8,368 |
| 569 | OTH INTESTINAL DISORDERS* | 119 | 1,651,674 |
| 571 | CHR LIVER DIS/CIRRHOSIS* | 20 | 205,999 |
| 573 | OTH LIVER DISORDERS* | 41 | 541,548 |
| 574 | CHOLELITHIASIS* | 70 | 745,800 |
| 575 | OTH GALLBLADDER DISORDER* | 89 | 985,553 |
| 576 | OTH DIS OF BILIARY TRACT* | 3 | 29,690 |
| 577 | DISEASES OF PANCREAS* | 24 | 208,159 |
| 578 | GASTROINTESTINAL HEMORR* | 29 | 348,849 |
| 579 | INTESTINAL MALABSORPTION* | 4 | 69,132 |
| 582 | CHRONIC NEPHRITIS* | 1 | 18,080 |
| 583 | NEPHRITIS NOS* | 2 | 57,962 |
| 585 | CHRONIC RENAL FAILURE | 6 | 75,229 |
| 586 | RENAL FAILURE NOS | 20 | 261,436 |
| 588 | IMPAIRED RENAL FUNCTION* | 5 | 68,145 |
| 590 | KIDNEY INFECTION* | 125 | 1,520,197 |
| 591 | HYDRONEPHROSIS | 1 | 21,658 |
| 592 | RENAL/URETERAL CALCULUS* | 134 | 1,581,542 |
| 593 | OTH RENAL & URETERAL DIS* | 88 | 857,337 |
| 594 | LOWER URIN TRACT CALCUL* | 2 | 19,043 |
| 595 | CYSTITIS* | 281 | 3,141,346 |
| 596 | OTHER BLADDER DISORDERS* | 89 | 1,072,098 |
| 597 | URETHRITIS/URETHRAL SYND* | 1 | 3,060 |
| 598 | URETHRAL STRICTURE* | 3 | 34,105 |
| 599 | OTH URINARY TRACT DISOR* | 346 | 3,734,066 |
| 600 | HYPERPLASIA OF PROSTATE* | 74 | 1,022,067 |
| 601 | PROSTATIC INFLAMMATION* | 27 | 288,740 |
| 602 | OTH PROSTATIC DISORDERS* | 123 | 1,554,129 |
| 603 | HYDROCELE* | 1 | 23,949 |
| 604 | ORCHITIS & EPIDIDYMITS* | 2 | 42,417 |
| 605 | REDUN PREPUCE & PHIMOSIS | 1 | 20,262 |
| 606 | MALE INFERTILITY* | 1 | 5,899 |
| 607 | DISORDERS OF PENIS* | 7 | 79,016 |
| 608 | MALE GENITAL DIS NEC* | 14 | 210,121 |
| 610 | BENIGN MAMMARY DYSPLASIA* | 60 | 761,810 |
| 611 | OTHER BREAST DISORDERS* | 187 | 2,370,041 |
| 614 | FEMALE PELVIC INFLAM DIS* | 15 | 95,848 |
| 615 | UTERINE INFLAMMATORY DIS* | 8 | 112,118 |
| 616 | OTH FEMALE GEN INFLAM* | 82 | 893,728 |
| 617 | ENDOMETRIOSIS* | 34 | 450,042 |
| 618 | GENITAL PROLAPSE* | 12 | 110,694 |
| 620 | NONINFLAM DIS OVAR/ADNEX* | 77 | 806,702 |
| 621 | DISORDERS OF UTERUS NEC* | 20 | 225,105 |
| 622 | NONINFLAMM DIS CERVIX* | 22 | 363,530 |

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|----------------------------|------------|-------------------------|
| 623 | NONINFLAMM DIS VAGINA* | 47 | 531,408 |
| 624 | NONINFLAMM DIS VULVA* | 3 | 28,211 |
| 625 | FEMALE GENITAL SYMPTOMS* | 168 | 2,053,560 |
| 626 | DISORDER OF MENSTRUATION* | 182 | 1,918,519 |
| 627 | MENOPAUSAL DISORDERS* | 429 | 5,084,041 |
| 628 | FEMALE INFERTILITY* | 4 | 27,398 |
| 629 | OTH FEMALE GENITAL DIS* | 40 | 448,380 |
| 633 | ECTOPIC PREGNANCY* | 2 | 0 |
| 634 | SPONTANEOUS ABORTION* | 38 | 422,936 |
| 637 | UNSPECIFIED ABORTION* | 1 | 16,437 |
| 640 | HEMORRHAGE IN EARLY PREG* | 1 | 12,811 |
| 641 | ANTEPART HEM & PLAC PREV* | 1 | 13,702 |
| 643 | EXCESS VOMITING IN PREG* | 8 | 98,468 |
| 644 | EARLY/THREATENED LABOR* | 18 | 171,975 |
| 646 | OTHER COMPL OF PREGNANCY* | 2 | 6,523 |
| 648 | OTH CURRENT COND IN PREG* | 20 | 287,257 |
| 650 | NORMAL DELIVERY | 62 | 423,514 |
| 652 | MALPOSITION OF FETUS* | 1 | 2,210 |
| 655 | FETAL ABN AFFECT MOTHER* | 1 | 15,318 |
| 656 | OTH FETAL PROB AFF MOTH* | 1 | 10,926 |
| 658 | OTH AMNIOTIC CAVITY PROB* | 1 | 19,329 |
| 666 | POSTPARTUM HEMORRHAGE* | 1 | 5,715 |
| 667 | RETAIN PLACENTA W/O HEM* | 1 | 12,757 |
| 669 | OTH COMPL LABOR/DELIVERY* | 3 | 16,646 |
| 673 | OB PULMONARY EMBOLISM* | 1 | 7,571 |
| 674 | PUERPERAL COMPL NEC/NOS* | 4 | 42,024 |
| 676 | OTH BREAST/LACT DIS PREG* | 4 | 35,506 |
| 680 | CARBUNCLE AND FURUNCLE* | 26 | 236,301 |
| 681 | CELLULITIS, FINGER/TOE* | 13 | 152,547 |
| 682 | OTHER CELLULITIS/ABSCESS* | 39 | 441,263 |
| 683 | ACUTE LYMPHADENITIS | 2 | 24,144 |
| 684 | IMPETIGO | 16 | 177,099 |
| 685 | PILONIDAL CYST* | 4 | 67,573 |
| 686 | OTH LOCAL SKIN INFECTION* | 130 | 1,473,431 |
| 690 | ERYTHEMATOSQUAMOUS DERM* | 6 | 87,572 |
| 691 | ATOPIC DERMATITIS* | 21 | 240,631 |
| 692 | CONTACT DERMATITIS* | 362 | 4,801,102 |
| 693 | DERMAT D/T INTERN AGENT* | 28 | 371,214 |
| 694 | BULLOUS DERMATOSES* | 2 | 24,934 |
| 695 | ERYTHEMATOUS CONDITIONS* | 49 | 684,483 |
| 696 | PSORIASIS/LIKE DISORDERS* | 89 | 1,149,018 |
| 697 | LICHEN* | 2 | 18,239 |
| 698 | PRURITUS & LIKE COND* | 45 | 534,282 |
| 700 | CORNS AND CALLOSITIES | 62 | 896,456 |
| 701 | OTH SKIN HYPERTRO/AUTROPH* | 84 | 1,081,627 |
| 702 | OTHER DERMATOSES* | 7 | 83,480 |
| 703 | DISEASES OF NAIL* | 142 | 1,708,219 |
| 704 | HAIR & FOLLICLE DISEASE* | 58 | 635,949 |
| 705 | DISORDERS OF SWEAT GLAND* | 8 | 66,529 |
| 706 | SEBACEOUS GLAND DISEASE* | 408 | 5,824,155 |
| 707 | CHRONIC ULCER OF SKIN* | 150 | 1,667,833 |
| 708 | URTICARIA* | 62 | 811,081 |
| 709 | OTHER SKIN DISORDERS* | 266 | 3,286,946 |
| 710 | DIFF CONNECTIVE TISS DIS* | 46 | 526,465 |
| 711 | ARTHROPATHY W INFECTION* | 6 | 105,651 |
| 713 | ARTHROPATH IN OTHER DIS* | 1 | 8,384 |
| 714 | OTH INFLAMM POLYARTHROP* | 118 | 1,523,276 |
| 715 | OSTEOARTHRITIS ET AL* | 114 | 1,529,873 |
| 716 | ARTHROPATHIES NEC/NOS* | 1,318 | 15,672,619 |
| 717 | INTERNAL DERANGEMNT KNEE* | 22 | 314,488 |
| 718 | OTHER JOINT DERANGEMENT* | 29 | 338,772 |
| 719 | JOINT DISORDER NEC & NOS* | 759 | 9,640,647 |
| 720 | INFLAM Spondylopathies* | 4 | 31,715 |

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 721 | Spondylosis ET AL* | 103 | 1,238,057 |
| 722 | INTERVERTEBRAL DISC DIS* | 328 | 3,837,057 |
| 723 | OTHER CERVICAL SPINE DIS* | 200 | 2,522,607 |
| 724 | BACK DISORDER NEC & NOS* | 1,315 | 16,072,094 |
| 725 | POLYMYALGIA RHEUMATICA | 12 | 176,830 |
| 726 | PERIPH ENTHESOPATHIES* | 295 | 3,811,549 |
| 727 | OTH DIS SYNOV/TEND/BURSA* | 225 | 2,846,170 |
| 728 | DIS OF MUSCLE/LIG/FASCIA* | 195 | 2,344,890 |
| 729 | OTHER SOFT TISSUE DIS* | 680 | 7,657,144 |
| 730 | OSTEOMYELITIS* | 6 | 70,676 |
| 731 | OSTEITIS DEFORMANS* | 4 | 50,014 |
| 732 | OSTEOCHONDROPATHIES* | 7 | 95,711 |
| 733 | OTH BONE & CARTILAGE DIS* | 305 | 3,869,871 |
| 734 | FLAT FOOT | 19 | 234,445 |
| 735 | ACQ DEFORMITIES OF TOE* | 19 | 269,004 |
| 736 | OTH ACQ LIMB DEFORMITIES* | 14 | 137,860 |
| 737 | CURVATURE OF SPINE* | 69 | 792,716 |
| 738 | OTHER ACQUIRED DEFORMITY* | 2 | 24,711 |
| 741 | SPINA BIFIDA* | 3 | 54,860 |
| 742 | OTH NERVOUS SYSTEM ANOM* | 6 | 54,421 |
| 743 | CONGENITAL EYE ANOMALY* | 3 | 21,855 |
| 744 | CONG ANOM EAR/FACE/NECK* | 7 | 71,508 |
| 745 | CARDIAC SEPTAL CLOS ANOM* | 4 | 34,034 |
| 746 | OTHER CONGEN HEART ANOM* | 14 | 161,420 |
| 747 | OTH CONG CIRC SYST ANOM* | 10 | 93,518 |
| 748 | RESPIRATORY SYST ANOMALY* | 3 | 57,544 |
| 749 | CLEFT PALATE & CLEFT LIP* | 8 | 104,519 |
| 750 | OTHER UPPER GI ANOMALY* | 3 | 42,254 |
| 751 | OTH ANOM DIGESTIVE SYST* | 2 | 17,022 |
| 752 | GENITAL ORGAN ANOMALIES* | 2 | 15,745 |
| 753 | URINARY SYSTEM ANOMALIES* | 9 | 121,105 |
| 754 | CONG MUSCULOSKEL DEFORM* | 5 | 54,256 |
| 755 | OTH CONGEN LIMB ANOMALY* | 12 | 163,963 |
| 756 | OTH MUSCULOSKELET ANOMAL* | 15 | 133,509 |
| 757 | CONGEN SKIN ANOMALIES* | 6 | 58,174 |
| 758 | CHROMOSOMAL ANOMALIES* | 19 | 192,019 |
| 759 | CONGEN ANOMALIES NEC/NOS* | 14 | 175,286 |
| 764 | LT-FOR-DATES W/O FET MAL* | 1 | 16,380 |
| 765 | EXTREME IMMATURITY* | 4 | 24,122 |
| 767 | BIRTH TRAUMA* | 1 | 17,815 |
| 768 | INTRAUTERINE ASPHYXIA* | 1 | 3,817 |
| 770 | OTH NB RESPIRATORY COND* | 4 | 41,782 |
| 774 | OTHER PERINATAL JAUNDICE* | 1 | 1,258 |
| 779 | OTH PERINATAL CONDITION* | 1 | 18,718 |
| 780 | GENERAL SYMPTOMS* | 1,564 | 18,376,599 |
| 781 | NERV/MUSCULSKEL SYS SYMP* | 63 | 769,196 |
| 782 | SKIN/OTH INTEGUMENT SYMP* | 679 | 8,127,055 |
| 783 | NUTRIT/METAB/DEVEL SYMP* | 81 | 780,158 |
| 784 | SYMPTOMS INVOL HEAD/NECK* | 783 | 8,648,861 |
| 785 | CARDIOVASCULAR SYS SYMP* | 227 | 2,938,182 |
| 786 | RESP SYS/OTH CHEST SYMP* | 820 | 9,575,059 |
| 787 | GI SYSTEM SYMPTOMS* | 478 | 5,360,587 |
| 788 | URINARY SYSTEM SYMPTOMS* | 146 | 1,634,465 |
| 789 | OTH ABDOMEN/PELVIS SYMP* | 239 | 2,688,061 |
| 790 | ABNORMAL BLOOD FINDINGS* | 110 | 1,352,065 |
| 791 | ABNORMAL URINE FINDINGS* | 7 | 87,282 |
| 792 | ABN FIND-OTH BODY SUBST* | 3 | 17,034 |
| 793 | ABN FIND-BODY STRUCT NOS* | 18 | 200,825 |
| 794 | ABNORMAL FUNCTION STUDY* | 13 | 187,505 |
| 795 | ABN HISTOLOG/IMMUNO FIND* | 62 | 720,284 |
| 796 | OTHER ABNORMAL FINDINGS* | 250 | 3,168,810 |
| 797 | SENILITY W/O PSYCHOSIS | 59 | 689,911 |
| 799 | OTH ILL-DEF MORBID/MORTL* | 345 | 3,853,208 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 802 | FRACTURE OF FACE BONES* | 29 | 360,358 |
| 805 | VERTEBRL FX W/O CORD INJ* | 44 | 605,592 |
| 806 | VERTEBRAL FX W CORD INJ* | 4 | 43,867 |
| 807 | FX RIB/STERN/LARYN/TRACH* | 42 | 551,305 |
| 808 | PELVIC FRACTURE* | 4 | 64,639 |
| 809 | FRACTURE OF TRUNK BONES* | 1 | 16,193 |
| 810 | CLAVICLE FRACTURE* | 14 | 149,944 |
| 811 | SCAPULA FRACTURE* | 6 | 49,779 |
| 812 | HUMERUS FRACTURE* | 34 | 449,872 |
| 813 | RADIUS & URNA FRACTURE* | 10 | 129,779 |
| 814 | CARPAL FRACTURE* | 53 | 691,503 |
| 815 | METACARPAL FRACTURE* | 26 | 343,077 |
| 816 | FRACTURE PHALANGES, HAND* | 66 | 848,513 |
| 817 | MULTIPLE HAND FRACTURES* | 1 | 8,773 |
| 818 | FRACTURE ARM MULT/NOS* | 62 | 657,524 |
| 819 | FX ARMS W RIB/STERNUM* | 2 | 15,695 |
| 820 | FRACTURE NECK OF FEMUR* | 39 | 566,623 |
| 821 | OTHER FEMORAL FRACTURE* | 3 | 30,067 |
| 822 | PATELLA FRACTURE* | 10 | 73,587 |
| 823 | TIBIA & FIBULA FRACTURE* | 12 | 138,099 |
| 824 | ANKLE FRACTURE* | 45 | 556,986 |
| 825 | FX OF TARSAL/METATARSAL* | 60 | 847,497 |
| 826 | FRACTURE PHALANGES, FOOT* | 50 | 578,902 |
| 827 | LOWER LIMB FRACTURE NEC* | 32 | 327,988 |
| 828 | FX LEGS W ARM/RIB* | 4 | 65,261 |
| 829 | FRACTURE NOS* | 1 | 25,762 |
| 830 | JAW DISLOCATION* | 3 | 40,916 |
| 831 | SHOULDER DISLOCATION* | 31 | 390,649 |
| 832 | ELBOW DISLOCATION* | 12 | 170,046 |
| 834 | DISLOCATION OF FINGER* | 6 | 104,555 |
| 835 | DISLOCATION OF HIP* | 17 | 188,406 |
| 836 | DISLOCATION OF KNEE* | 43 | 562,390 |
| 838 | DISLOCATION OF FOOT* | 2 | 30,530 |
| 839 | DISLOCATION NEC* | 28 | 403,888 |
| 840 | SPRAIN SHOULDER & ARM* | 113 | 1,367,734 |
| 841 | SPRAIN ELBOW & FOREARM* | 12 | 146,253 |
| 842 | SPRAIN WRIST & HAND* | 98 | 1,216,689 |
| 843 | SPRAIN OF HIP & THIGH* | 32 | 492,867 |
| 844 | SPRAIN OF KNEE & LEG* | 141 | 1,687,616 |
| 845 | SPRAIN OF ANKLE & FOOT* | 256 | 3,135,468 |
| 846 | SPRAIN SACROILIAC REGION* | 34 | 547,662 |
| 847 | SPRAIN OF BACK NEC/NOS* | 339 | 4,368,145 |
| 848 | SPRAIN NEC* | 91 | 1,060,394 |
| 850 | CONCUSSION* | 45 | 571,498 |
| 854 | OTHER BRAIN INJURY* | 39 | 537,785 |
| 861 | HEART & LUNG INJURY* | 6 | 114,813 |
| 862 | INTRATHORACIC INJURY NEC* | 1 | 8,075 |
| 863 | GI TRACT INJURY* | 2 | 11,614 |
| 866 | KIDNEY INJURY* | 3 | 41,187 |
| 869 | INTERNAL INJURY NOS* | 3 | 34,380 |
| 870 | OCULAR ADNEXA OPEN WOUND* | 7 | 68,417 |
| 871 | EYEBALL OPEN WOUND* | 11 | 117,721 |
| 872 | OPEN WOUND OF EAR* | 10 | 121,055 |
| 873 | OTHER OPEN WOUND OF HEAD* | 343 | 4,110,628 |
| 874 | OPEN WOUND OF NECK* | 1 | 15,941 |
| 875 | OPEN WOUND OF CHEST* | 1 | 2,908 |
| 876 | OPEN WOUND OF BACK* | 2 | 40,987 |
| 877 | OPEN WOUND OF BUTTOCK* | 1 | 9,579 |
| 878 | OPEN WOUND GENITAL ORGAN* | 2 | 22,267 |
| 879 | OPEN WOUND SITE NEC* | 46 | 590,625 |
| 880 | OPN WND SHOULDR/UPT ARM* | 3 | 34,594 |
| 881 | OPEN WOUND OF LOWER ARM* | 11 | 147,962 |
| 882 | OPEN WOUND OF HAND* | 69 | 933,337 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 883 | OPEN WOUND OF FINGER* | 116 | 1,630,472 |
| 884 | OPEN WOUND ARM MULT/NOS* | 28 | 318,891 |
| 886 | TRAUM AMPUTATION FINGER* | 9 | 112,196 |
| 890 | OPEN WOUND OF HIP/THIGH* | 3 | 11,892 |
| 891 | OPEN WND KNEE/LEG/ANKLE* | 42 | 522,005 |
| 892 | OPEN WOUND OF FOOT* | 49 | 594,665 |
| 893 | OPEN WOUND OF TOE* | 11 | 146,090 |
| 894 | OPEN WOUND OF LEG NEC* | 3 | 28,236 |
| 895 | TRAUMATIC AMPUTATION TOE* | 3 | 24,239 |
| 901 | THORAC BLOOD VESSEL INJ* | 1 | 16,675 |
| 903 | ARM BLOOD VESSEL INJURY* | 3 | 48,351 |
| 905 | LATE EFF MUSCULOSKEL INJ* | 5 | 70,967 |
| 906 | LATE EFF SKIN/SUBCUT INJ* | 3 | 35,239 |
| 908 | LATE EFF INJURY NEC/NOS* | 4 | 69,987 |
| 909 | LATE EFF EXTER CAUSE NEC* | 2 | 19,274 |
| 910 | SUPERFICIAL INJURY HEAD* | 27 | 292,964 |
| 911 | SUPERFICIAL INJURY TRUNK* | 4 | 68,798 |
| 912 | SUPERFIC INJ SHOULDR/ARM* | 2 | 36,002 |
| 913 | SUPERFICIAL INJ FOREARM* | 3 | 34,916 |
| 914 | SUPERFICIAL INJ OF HAND* | 7 | 84,631 |
| 915 | SUPERFICIAL INJ FINGER* | 12 | 163,720 |
| 916 | SUPERFICIAL INJ HIP/LEG* | 36 | 424,424 |
| 917 | SUPERFICIAL INJ FOOT/TOE* | 12 | 109,504 |
| 918 | SUPERFIC INJ EYE/ADNEXA* | 36 | 458,449 |
| 919 | SUPERFICIAL INJ OTH SITE* | 40 | 551,418 |
| 920 | CONTUSION FACE/SCALP/NCK | 45 | 546,596 |
| 921 | CONTUSION EYE & ADNEXA* | 51 | 629,992 |
| 922 | CONTUSION OF TRUNK* | 48 | 621,134 |
| 923 | CONTUSION OF UPPER LIMB* | 64 | 774,796 |
| 924 | CONTUSION LEG & OTH SITE* | 117 | 1,476,406 |
| 925 | CRUSH INJ FACE/SCALP/NCK* | 1 | 1,753 |
| 927 | CRUSHING INJ UPPER LIMB* | 2 | 13,671 |
| 928 | CRUSHING INJURY OF LEG* | 3 | 30,996 |
| 930 | FOREIGN BODY EXTERN EYE* | 32 | 442,097 |
| 931 | FOREIGN BODY IN EAR | 9 | 67,573 |
| 932 | FOREIGN BODY IN NOSE | 4 | 25,809 |
| 933 | FB PHARYNX & LARYNX* | 9 | 80,933 |
| 934 | FB TRACHEA/BRONCHUS/LUNG* | 1 | 5,509 |
| 935 | FB MOUTH/ESOPHAG/STOMACH* | 3 | 19,342 |
| 938 | FOREIGN BODY GI NOS | 9 | 80,161 |
| 939 | FOREIGN BODY GU TRACT* | 1 | 12,204 |
| 940 | BURN OF EYE & ADNEXA* | 8 | 116,052 |
| 941 | BURN OF HEAD/FACE/NECK* | 6 | 74,798 |
| 942 | BURN OF TRUNK* | 2 | 13,442 |
| 943 | BURN OF ARM* | 5 | 49,811 |
| 944 | BURN OF HAND & WRIST* | 13 | 167,132 |
| 945 | BURN OF LEG* | 13 | 152,136 |
| 946 | BURN OF MULTIPLE SITE* | 1 | 6,049 |
| 947 | BURN OF INTERNAL ORGANS* | 3 | 35,565 |
| 949 | BURN UNSPECIFIED* | 10 | 111,945 |
| 950 | INJ OPTIC NERV/PATHWAYS* | 1 | 5,397 |
| 952 | SPINAL CORD INJ W/O FX* | 11 | 141,288 |
| 954 | INJURY OTH TRUNK NERVE* | 2 | 26,286 |
| 955 | INJ PERIPH NERV SHLD/ARM* | 1 | 13,648 |
| 957 | INJURY TO NERVE NEC/NOS* | 1 | 11,948 |
| 958 | EARLY COMPLIC OF TRAUMA* | 6 | 66,349 |
| 959 | INJURY NEC/NOS* | 942 | 10,875,290 |
| 960 | POISONING BY ANTIBIOTICS* | 3 | 32,154 |
| 961 | POISONING-ANTI-INFEC NEC* | 2 | 30,824 |
| 963 | POISONING-SYSTEMIC AGENT* | 1 | 8,502 |
| 965 | POIS-ANALGESIC/ANTIPYRET* | 2 | 14,877 |
| 976 | POIS-SKIN/EENT/DENT AGT* | 1 | 18,607 |
| 977 | POIS-MEDICINAL NEC/NOS* | 9 | 107,874 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 980 | ALCOHOL TOXICITY* | 1 | 9,185 |
| 981 | TOXIC EFF PETROLEUM PROD | 1 | 9,806 |
| 984 | TOXIC EFF LEAD & COMPND* | 4 | 15,625 |
| 986 | TOX EFF CARBON MONOXIDE | 3 | 39,983 |
| 987 | TOXIDE EFF GAS/VAPOR NEC* | 5 | 106,391 |
| 988 | TOXIC EFF NOXIOUS FOOD* | 2 | 50,254 |
| 989 | TOX EFF OTH NONMED SUBST* | 82 | 933,869 |
| 990 | EFFECTS RADIATION NOS | 2 | 27,026 |
| 991 | EFF REDUCED TEMPERATURE* | 1 | 16,535 |
| 992 | EFFECT OF HEAT/LIGHT* | 22 | 400,567 |
| 993 | EFFECTS OF AIR PRESSURE* | 1 | 3,908 |
| 994 | EFFECT EXTERNAL CAUS NEC* | 14 | 177,041 |
| 995 | CERTAIN ADVERSE EFF NEC* | 171 | 2,053,487 |
| 996 | REPLACE & GRAFT COMPLIC* | 48 | 693,891 |
| 997 | SURG COMPL-BODY SYST NEC* | 2 | 14,476 |
| 998 | OTH SURGICAL COMPL NEC* | 79 | 822,540 |
| 999 | COMPLIC MEDICAL CARE NEC* | 6 | 26,860 |
| E90 | EXCESSIVE HEAT* | 2 | 33,771 |
| E93 | ADV EFF ANTIBIOTICS* | 1 | 12,878 |
| E98 | UNDETERM POIS-SOL/LIQUID* | 1 | 8,427 |
| V01 | COMMUNICABLE DIS CONTACT* | 1 | 24,042 |
| V04 | VACCIN FOR VIRAL DISEASE* | 33 | 521,752 |
| V05 | OTH VACCIN FOR SINGL DIS* | 39 | 241,559 |
| V06 | VAC FOR DIS COMBINATION* | 14 | 79,544 |
| V07 | PROPHYLACTIC MEASURES* | 85 | 1,084,880 |
| V08 | ASYMP HIV INFECTN STATUS | 3 | 23,916 |
| V10 | HX OF MALIGNANT NEOPLASM* | 14 | 158,183 |
| V12 | HX OF DISEASE NEC* | 11 | 147,755 |
| V13 | HX OF OTHER DISEASES* | 3 | 33,017 |
| V15 | OTH HX OF HEALTH HAZARDS* | 6 | 82,102 |
| V16 | FAMILY HX-MALIGNANCY* | 1 | 12,879 |
| V17 | FAM HX-CHR DISABLING DIS* | 2 | 17,519 |
| V18 | FAM HX-OTH SPECIF COND* | 1 | 15,818 |
| V20 | HEALTH SUPERVISION CHILD* | 39 | 449,637 |
| V21 | CONSTITUT STATE IN DEVEL* | 1 | 0 |
| V22 | NORMAL PREGNANCY* | 776 | 7,812,643 |
| V24 | POSTPARTUM CARE/EXAM* | 23 | 179,889 |
| V25 | CONTRACEPTIVE MANAGEMENT* | 352 | 4,777,174 |
| V26 | PROCREATIVE MANAGEMENT* | 12 | 135,547 |
| V29 | NB OBSRV SUSPCT INFECT | 1 | 6,837 |
| V30 | SINGLE LIVEBORN* | 32 | 418,730 |
| V40 | MENTAL/BEHAVIORAL PROB* | 64 | 659,870 |
| V41 | PROB W SPECIAL FUNCTIONS* | 114 | 1,352,088 |
| V42 | ORGAN TRANSPLANT STATUS* | 4 | 70,716 |
| V43 | ORGAN REPLACEMENT NEC* | 11 | 99,015 |
| V44 | ARTIFICIAL OPNING STATUS* | 1 | 9,204 |
| V45 | OTH POSTSURGICAL STATES* | 19 | 246,201 |
| V47 | OTH PROBL W INTERNAL ORG* | 41 | 550,455 |
| V48 | HEAD/NECK/TRUNK PROBLEMS* | 24 | 320,279 |
| V49 | LIMB PROBLEM/PROBLEM NEC* | 57 | 630,440 |
| V50 | OTHER ELECTIVE SURGERY* | 4 | 37,646 |
| V52 | FITTING OF PROSTHESIS* | 16 | 135,030 |
| V53 | ADJUSTMENT OF OTH DEVICE* | 30 | 348,795 |
| V54 | OTH ORTHOPEDIC AFTERCARE* | 3 | 42,869 |
| V55 | ATTEN TO ARTIFICIAL OPEN* | 5 | 58,159 |
| V56 | DIALYSIS ENCOUNTER* | 2 | 26,077 |
| V57 | REHABILITATION PROCEDURE* | 13 | 122,930 |
| V58 | ENCOUNTR PROC/AFTRCR NEC* | 30 | 440,462 |
| V59 | DONOR* | 1 | 20,610 |
| V60 | HOUSEHOLD CIRCUMSTANCES* | 1 | 9,081 |
| V61 | OTH FAMILY CIRCUMSTANCES* | 23 | 358,873 |
| V62 | OTH PSYCHOSOCIAL CIRCUM* | 60 | 711,294 |
| V65 | OTHER REASON FOR CONSULT* | 76 | 927,409 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

| ICD9CODX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| V66 | CONVALESCENCE* | 3 | 32,115 |
| V67 | FOLLOW-UP EXAMINATION* | 164 | 1,841,983 |
| V68 | ADMINISTRATIVE ENCOUNTER* | 1,076 | 13,410,050 |
| V69 | LACK OF PHYSICAL EXERCSE | 15 | 205,472 |
| V70 | GENERAL MEDICAL EXAM* | 420 | 4,205,444 |
| V71 | OBSERVATION-SUSPECT COND* | 65 | 779,759 |
| V72 | SPECIAL EXAMINATIONS* | 887 | 10,531,071 |
| V73 | SCREENING FOR VIRAL DIS* | 2 | 40,820 |
| V74 | SCREENING-BACTERIAL DIS* | 16 | 144,132 |
| V76 | SCREENING-MALIG NEOPLASM* | 77 | 859,008 |
| V77 | SCREEN-ENDO/NUTR/METAB* | 8 | 53,360 |
| V78 | SCREENING FOR BLOOD DIS* | 3 | 17,253 |
| V79 | SCREENING-MENTAL DISORD* | 2 | 27,547 |
| V80 | SCREEN-NEURO/EYE/EAR DIS* | 7 | 75,187 |
| V81 | SCREEN-HEART/RESP/GU DIS* | 7 | 116,050 |
| V82 | SCREEN-OTHER CONDITIONS* | 8 | 129,513 |
| | TOTAL | 69,897 | 838,399,113 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 2
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9PROX

| ICD9PROX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|----------------------------|------------|-------------------------|
| -1 | INAPPLICABLE | 68,543 | 821,455,359 |
| 01 | INCISE -EXCIS BRAIN/SKULL* | 1 | 7,867 |
| 02 | OTHER SKULL/BRAIN OPS* | 1 | 15,248 |
| 03 | SPINAL CORD & CANAL OPS* | 6 | 85,615 |
| 04 | CRAN & PERIPH NERVE OPS* | 5 | 62,440 |
| 06 | THYROID/PARATHYROID OPS* | 8 | 72,548 |
| 07 | OTH ENDOCRINE GLND OPS* | 1 | 13,318 |
| 08 | EYELID OPERATIONS* | 1 | 22,920 |
| 12 | ANTERIOR SEGMENT OPS* | 1 | 0 |
| 13 | OPERATIONS ON LENS* | 38 | 523,968 |
| 14 | POSTERIOR SEGMENT OPS* | 1 | 17,517 |
| 16 | ORBIT/EYEBALL OPS* | 16 | 209,112 |
| 18 | EXTERNAL EAR OPERATIONS* | 6 | 70,700 |
| 19 | MIDDLE EAR RECONSTRUCT* | 1 | 12,826 |
| 20 | OTHER MID & INNER EAR OP* | 18 | 240,797 |
| 21 | OPERATIONS ON NOSE* | 4 | 30,252 |
| 22 | NASAL SINUS OPERATIONS* | 8 | 137,152 |
| 23 | TOOTH REMOVAL & RESTORAT* | 289 | 3,269,510 |
| 24 | OTH OPS ON TEETH & GUMS* | 23 | 349,201 |
| 27 | OTHER MOUTH & FACE OPS* | 16 | 220,195 |
| 28 | TONSIL & ADENOID OPS* | 18 | 242,501 |
| 29 | OPERATIONS ON PHARYNX* | 2 | 23,861 |
| 33 | OTHER BRONCHIAL/LUNG OPS* | 1 | 28,536 |
| 35 | HEART VALVES & SEPTA OPS* | 6 | 84,052 |
| 36 | OPS ON HEART VESSELS* | 25 | 356,894 |
| 37 | OTHER HEART/PERICARD OPS* | 20 | 253,278 |
| 38 | VESSEL INC/EXCIS/OCCCLUS* | 2 | 22,386 |
| 39 | OTHER OPS ON VESSELS* | 22 | 287,680 |
| 40 | LYMPHATIC SYSTEM OPS* | 1 | 20,256 |
| 41 | BONE MARROW & SPLEEN OPS* | 1 | 19,162 |
| 43 | GASTRIC INCISION/EXCIS* | 1 | 21,048 |
| 44 | OTHER GASTRIC OPERATIONS* | 3 | 46,060 |
| 45 | INTEST INCIS/EXCIS/ANAST* | 42 | 578,503 |
| 46 | OTHER INTESTINAL OPS* | 9 | 122,675 |
| 47 | OPERATIONS ON APPENDIX* | 8 | 36,189 |
| 48 | RECTAL & PERIRECTAL OPS* | 4 | 54,796 |
| 49 | OPERATIONS ON ANUS* | 1 | 8,894 |
| 50 | OPERATIONS ON LIVER* | 5 | 55,644 |
| 51 | BILIARY TRACT OPERATION* | 50 | 546,848 |
| 53 | REPAIR OF HERNIA* | 11 | 130,769 |
| 54 | OTHER ABDOMEN REGION OPS* | 2 | 29,785 |
| 55 | OPERATIONS ON KIDNEY* | 7 | 98,850 |
| 57 | URINARY BLADDER OPS* | 9 | 108,553 |
| 60 | PROSTATE & SEMIN VES OPS* | 11 | 131,379 |
| 63 | SPERM CORD/EPID/VAS OPS* | 7 | 104,126 |
| 64 | OPERATIONS ON PENIS* | 4 | 48,209 |
| 65 | OPERATIONS ON OVARY* | 2 | 18,496 |
| 66 | FALLOPIAN TUBE OPERATION* | 16 | 137,589 |
| 67 | OPERATIONS ON CERVIX* | 2 | 4,271 |
| 68 | OTHER UTERINE INCIS/EXC* | 52 | 622,797 |
| 69 | OTHER UTERUS/SUPPORT OPS* | 11 | 113,728 |
| 70 | VAGINA & CUL-DE-SAC OPS* | 2 | 30,775 |
| 73 | ASSIST/INDUCE DELIV NEC* | 1 | 3,659 |
| 74 | C-SECTION/REMOVAL FETUS* | 4 | 35,117 |
| 75 | OTHER OBSTETRIC OPS* | 1 | 11,034 |
| 77 | INCIS/EXCIS/DIV BONE NEC* | 7 | 83,724 |
| 78 | OTH BONE OPS EXCPT FACE* | 16 | 197,391 |
| 79 | REDUCTION FX/DISLOCATION* | 1 | 7,646 |
| 80 | INCISION/EXCISION JOINT* | 7 | 77,126 |
| 81 | JOINT REPAIR* | 70 | 998,103 |
| 82 | HAND MUSCL/TEND/FASC OPS* | 1 | 16,436 |
| 83 | OTHER MUS/TEN/FAS/BUR OP* | 2 | 18,620 |
| 84 | OTHER MUSCULOSKELET PROC* | 26 | 337,003 |

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 2
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9PROX

| ICD9PROX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|-------------------|---------------------------|------------|-------------------------|
| 85 | OPERATIONS ON THE BREAST* | 34 | 447,821 |
| 86 | SKIN & SUBQ OPERATIONS* | 131 | 2,007,236 |
| 87 | DIAGNOSTIC RADIOLOGY* | 29 | 340,286 |
| 88 | OTHER DX RADIOLOGY* | 3 | 24,312 |
| 89 | INTERVIEW/CONSULT/EXAM* | 29 | 391,016 |
| 91 | MICROSCOPIC EXAM--II* | 4 | 18,789 |
| 92 | NUCLEAR MEDICINE* | 4 | 40,698 |
| 93 | PT, REHAB & RELATED PROC* | 16 | 252,575 |
| 94 | PSYCHE RELATED PROCEDURE* | 17 | 219,138 |
| 95 | EYE & EAR DX/TREATMENT* | 15 | 173,393 |
| 96 | NON-OP INTUBAT & IRRIGAT* | 30 | 418,703 |
| 97 | REPLACE & REMOV DEVICES* | 5 | 74,046 |
| 98 | NONOP REMOVE FOREIGN BOD* | 1 | 20,337 |
| 99 | OTHER NONOPERATIVE PROC* | 99 | 979,770 |
| | TOTAL | 69,897 | 838,399,113 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

| CCCODEX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|------------------|--------------------------------------|------------|-------------------------|
| -1 | INAPPLICABLE | 1,560 | 18,436,722 |
| -8 | DK | 672 | 8,088,523 |
| 001 | TUBERCULOSIS | 24 | 194,105 |
| 002 | SEPTICEMIA (EXCEPT IN LABOR) | 13 | 136,615 |
| 003 | BACTERIAL INFECTION, UNSPECIFIED SIT | 117 | 1,417,470 |
| 004 | MYCOSES | 450 | 5,446,711 |
| 005 | HIV INFECTION | 20 | 250,845 |
| 006 | HEPATITIS | 57 | 654,850 |
| 007 | VIRAL INFECTION | 962 | 12,192,215 |
| 008 | OTHER INFECTIONS, INCLUDING PARASITI | 202 | 2,255,253 |
| 009 | SEXUALLY TRANSMITTED INFECTIONS (NOT | 8 | 95,120 |
| 010 | IMMUNIZATIONS AND SCREENING FOR INFE | 115 | 1,131,978 |
| 011 | CANCER OF HEAD AND NECK | 18 | 255,813 |
| 012 | CANCER OF ESOPHAGUS | 1 | 10,785 |
| 013 | CANCER OF STOMACH | 6 | 68,175 |
| 014 | CANCER OF COLON | 36 | 408,947 |
| 015 | CANCER OF RECTUM AND ANUS | 1 | 4,761 |
| 016 | CANCER OF LIVER AND INTRAHEPATIC BIL | 7 | 77,726 |
| 017 | CANCER OF PANCREAS | 9 | 98,132 |
| 018 | CANCER OF OTHER GI ORGANS, PERITONEU | 4 | 46,780 |
| 019 | CANCER OF BRONCHUS, LUNG | 26 | 355,207 |
| 021 | CANCER OF BONE AND CONNECTIVE TISSUE | 21 | 196,975 |
| 022 | MELANOMAS OF SKIN | 28 | 407,586 |
| 023 | OTHER NON-EPITHelial CANCER OF SKIN | 187 | 2,391,407 |
| 024 | CANCER OF BREAST | 100 | 1,199,520 |
| 025 | CANCER OF UTERUS | 10 | 103,890 |
| 026 | CANCER OF CERVIX | 31 | 390,948 |
| 027 | CANCER OF OVARY | 8 | 117,576 |
| 028 | CANCER OF OTHER FEMALE GENITAL ORGAN | 2 | 0 |
| 029 | CANCER OF PROSTATE | 71 | 1,029,013 |
| 030 | CANCER OF TESTIS | 2 | 25,816 |
| 031 | CANCER OF OTHER MALE GENITAL ORGANS | 1 | 13,061 |
| 032 | CANCER OF BLADDER | 24 | 314,928 |
| 033 | CANCER OF KIDNEY AND RENAL PELVIS | 5 | 60,912 |
| 035 | CANCER OF BRAIN AND NERVOUS SYSTEM | 5 | 53,017 |
| 036 | CANCER OF THYROID | 10 | 167,052 |
| 037 | HODGKIN'S DISEASE | 7 | 64,512 |
| 038 | NON-HODGKIN'S LYMPHOMA | 12 | 117,641 |
| 039 | LEUKEMIAS | 14 | 163,843 |
| 040 | MULTIPLE MYELOMA | 5 | 59,857 |
| 041 | CANCER, OTHER AND UNSPECIFIED PRIMAR | 51 | 617,110 |
| 042 | SECONDARY MALIGNANCIES | 2 | 21,832 |
| 043 | MALIGNANT NEOPLASM WITHOUT SPECIFICA | 49 | 604,846 |
| 044 | NEOPLASMS OF UNSPECIFIED NATURE OR U | 223 | 2,971,542 |
| 045 | MAINTENANCE CHEMOTHERAPY, RADIOTHERA | 2 | 24,846 |
| 046 | BENIGN NEOPLASM OF UTERUS | 16 | 207,352 |
| 047 | OTHER AND UNSPECIFIED BENIGN NEOPLAS | 311 | 4,255,068 |
| 048 | THYROID DISORDERS | 865 | 10,626,956 |
| 049 | DIABETES MELLITUS WITHOUT COMPLICATI | 1,156 | 12,534,854 |
| 050 | DIABETES MELLITUS WITH COMPLICATIONS | 29 | 295,738 |
| 051 | OTHER ENDOCRINE DISORDERS | 320 | 3,946,410 |
| 052 | NUTRITIONAL DEFICIENCIES | 15 | 151,225 |
| 053 | DISORDERS OF LIPID METABOLISM | 1,029 | 12,710,746 |
| 054 | GOUT AND OTHER CRYSTAL ARTHROPATHIES | 163 | 2,076,165 |
| 055 | FLUID AND ELECTROLYTE DISORDERS | 458 | 5,551,802 |
| 056 | CYSTIC FIBROSIS | 5 | 65,315 |
| 057 | IMMUNITY DISORDERS | 12 | 172,161 |
| 058 | OTHER NUTRITIONAL, ENDOCRINE, AND ME | 174 | 2,036,695 |
| 059 | DEFICIENCY AND OTHER ANEMIA | 215 | 2,320,531 |
| 061 | SICKLE CELL ANEMIA | 13 | 125,712 |
| 062 | COAGULATION AND HEMORRHAGIC DISORDER | 15 | 187,070 |
| 063 | DISEASES OF WHITE BLOOD CELLS | 6 | 52,087 |
| 064 | OTHER HEMATOLOGIC CONDITIONS | 57 | 602,569 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

| CCCODEX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|------------------|---------------------------------------|------------|-------------------------|
| 065 | MENTAL RETARDATION | 32 | 359,794 |
| 066 | ALCOHOL-RELATED MENTAL DISORDERS | 31 | 397,814 |
| 067 | SUBSTANCE-RELATED MENTAL DISORDERS | 50 | 721,474 |
| 068 | SENIILITY AND ORGANIC MENTAL DISORDER | 126 | 1,599,705 |
| 069 | AFFECTIVE DISORDERS | 144 | 1,775,396 |
| 070 | SCHIZOPHRENIA AND RELATED DISORDERS | 50 | 537,879 |
| 071 | OTHER PSYCHOSES | 17 | 205,585 |
| 072 | ANXIETY, SOMATOFORM, DISSOCIATIVE, A | 868 | 11,242,163 |
| 073 | PREADULT DISORDERS | 302 | 3,378,577 |
| 074 | OTHER MENTAL CONDITIONS | 1,386 | 17,185,177 |
| 075 | PERSONAL HISTORY OF MENTAL DISORDER, | 78 | 807,782 |
| 076 | MENINGITIS (EXCEPT THAT CAUSED BY TU | 15 | 130,099 |
| 077 | ENCEPHALITIS (EXCEPT THAT CAUSED BY | 5 | 56,446 |
| 078 | OTHER CNS INFECTION AND POLIOMYELITI | 10 | 113,244 |
| 079 | PARKINSON'S DISEASE | 37 | 512,265 |
| 080 | MULTIPLE SCLEROSIS | 27 | 293,246 |
| 081 | OTHER HEREDITARY AND DEGENERATIVE NE | 54 | 739,493 |
| 082 | PARALYSIS | 37 | 357,213 |
| 083 | EPILEPSY, CONVULSIONS | 210 | 2,513,119 |
| 084 | HEADACHE, INCLUDING MIGRAINE | 1,077 | 11,899,993 |
| 085 | COMA, STUPOR, AND BRAIN DAMAGE | 4 | 80,333 |
| 086 | CATARACT | 341 | 4,343,997 |
| 087 | RETINAL DETACHMENTS, DEFECTS, VASCUL | 108 | 1,341,962 |
| 088 | GLAUCOMA | 265 | 3,339,399 |
| 089 | BLINDNESS AND VISION DEFECTS | 587 | 7,401,772 |
| 090 | INFLAMMATION, INFECTION OF EYE (EXCE | 371 | 4,752,218 |
| 091 | OTHER EYE DISORDERS | 485 | 5,961,391 |
| 092 | OTITIS MEDIA AND RELATED CONDITIONS | 1,432 | 17,556,543 |
| 093 | CONDITIONS ASSOCIATED WITH DIZZINESS | 299 | 3,754,246 |
| 094 | OTHER EAR AND SENSE ORGAN DISORDERS | 523 | 6,443,480 |
| 095 | OTHER NERVOUS SYSTEM DISORDERS | 619 | 7,553,398 |
| 096 | HEART VALVE DISORDERS | 200 | 2,451,676 |
| 097 | PERI-, ENDO-, AND MYOCARDITIS, CARDI | 11 | 153,633 |
| 098 | ESSENTIAL HYPERTENSION | 2,755 | 32,165,795 |
| 099 | HYPERTENSION WITH COMPLICATIONS AND | 6 | 47,499 |
| 100 | ACUTE MYOCARDIAL INFARCTION | 117 | 1,467,188 |
| 101 | CORONARY ATHEROSCLEROSIS AND OTHER H | 194 | 2,261,268 |
| 102 | NONSPECIFIC CHEST PAIN | 256 | 3,160,091 |
| 103 | PULMONARY HEART DISEASE | 11 | 130,619 |
| 104 | OTHER AND ILL-DEFINED HEART DISEASE | 562 | 6,587,390 |
| 105 | CONDUCTION DISORDERS | 33 | 458,129 |
| 106 | CARDIAC DYSRHYTHMIAS | 383 | 5,131,343 |
| 107 | CARDIAC ARREST AND VENTRICULAR FIBRI | 22 | 270,937 |
| 108 | CONGESTIVE HEART FAILURE, NONHYPERTEN | 114 | 1,422,553 |
| 109 | ACUTE CEREBROVASCULAR DISEASE | 174 | 2,138,398 |
| 110 | OCCUSION OR STENOSIS OF PRECEREBRAL | 17 | 228,652 |
| 111 | OTHER AND ILL-DEFINED CEREBROVASCULA | 13 | 134,739 |
| 112 | TRANSIENT CEREBRAL ISCHEMIA | 11 | 120,005 |
| 113 | LATE EFFECTS OF CEREBROVASCULAR DISE | 14 | 150,373 |
| 114 | PERIPHERAL AND VISCELAR ATHEROSCLERO | 31 | 418,231 |
| 115 | AORTIC, PERIPHERAL, AND VISCELAR ART | 35 | 430,480 |
| 116 | AORTIC AND PERIPHERAL ARTERIAL EMBOL | 73 | 911,021 |
| 117 | OTHER CIRCULATORY DISEASE | 258 | 3,120,945 |
| 118 | PHLEBITIS, THROMBOPHLEBITIS AND THRO | 49 | 474,558 |
| 119 | VARICOSE VEINS OF LOWER EXTREMITY | 31 | 351,057 |
| 120 | HEMORRHOIDS | 75 | 876,341 |
| 121 | OTHER DISEASES OF VEINS AND LYMPHATI | 10 | 70,764 |
| 122 | PNEUMONIA (EXCEPT THAT CAUSED BY TUB | 411 | 4,998,367 |
| 123 | INFLUENZA | 1,679 | 18,794,072 |
| 124 | ACUTE AND CHRONIC TONSILLITIS | 135 | 1,397,257 |
| 125 | ACUTE BRONCHITIS | 38 | 586,334 |
| 126 | OTHER UPPER RESPIRATORY INFECTIONS | 6,503 | 79,982,932 |
| 127 | CHRONIC OBSTRUCTIVE PULMONARY DISEAS | 1,070 | 13,094,780 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

| CCCODEX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|------------------|---------------------------------------|------------|-------------------------|
| 128 | ASTHMA | 1,088 | 12,145,446 |
| 129 | ASPIRATION PNEUMONITIS, FOOD/VOMITUS | 1 | 8,628 |
| 130 | PLEURISY, PNEUMOTHORAX, PULMONARY CO | 44 | 514,940 |
| 131 | RESPIRATORY FAILURE, INSUFFICIENCY, | 2 | 36,921 |
| 132 | LUNG DISEASE DUE TO EXTERNAL AGENTS | 9 | 85,147 |
| 133 | OTHER LOWER RESPIRATORY DISEASE | 902 | 10,421,052 |
| 134 | OTHER UPPER RESPIRATORY DISEASE | 2,590 | 30,648,793 |
| 135 | INTESTINAL INFECTION | 3,002 | 35,616,661 |
| 136 | DISORDERS OF TEETH AND JAW | 955 | 11,208,692 |
| 137 | DISEASES OF MOUTH, EXCLUDING DENTAL | 114 | 1,324,548 |
| 138 | ESOPHAGEAL DISORDERS | 348 | 4,307,146 |
| 139 | GASTRODUODENAL ULCER (EXCEPT HEMORRH | 120 | 1,290,545 |
| 140 | GASTRITIS AND DUODENITIS | 103 | 897,934 |
| 141 | OTHER DISORDERS OF STOMACH AND DUODE | 815 | 9,093,804 |
| 142 | APPENDICITIS AND OTHER APPENDICEAL C | 21 | 197,415 |
| 143 | ABDOMINAL HERNIA | 297 | 3,443,002 |
| 144 | REGIONAL ENTERITIS AND ULCERATIVE CO | 42 | 502,568 |
| 145 | INTESTINAL OBSTRUCTION WITHOUT HERNI | 20 | 205,144 |
| 146 | DIVERTICULOSIS AND DIVERTICULITIS | 75 | 925,293 |
| 147 | ANAL AND RECTAL CONDITIONS | 17 | 221,676 |
| 149 | BILIARY TRACT DISEASE | 162 | 1,761,042 |
| 151 | OTHER LIVER DISEASES | 84 | 1,042,963 |
| 152 | PANCREATIC DISORDERS (NOT DIABETES) | 24 | 208,159 |
| 153 | GASTROINTESTINAL HEMORRHAGE | 83 | 1,134,538 |
| 154 | NONINFECTIOUS GASTROENTERITIS | 43 | 515,583 |
| 155 | OTHER GASTROINTESTINAL DISORDERS | 691 | 8,195,741 |
| 156 | NEPHRITIS, NEPHROSIS, RENAL SCLEROSI | 3 | 76,043 |
| 157 | ACUTE AND UNSPECIFIED RENAL FAILURE | 20 | 261,436 |
| 158 | CHRONIC RENAL FAILURE | 10 | 125,167 |
| 159 | URINARY TRACT INFECTIONS | 697 | 7,768,813 |
| 160 | CALCULUS OF URINARY TRACT | 144 | 1,661,712 |
| 161 | OTHER DISEASES OF KIDNEY AND URETERS | 94 | 947,140 |
| 162 | OTHER DISEASES OF BLADDER AND URETHR | 95 | 1,134,232 |
| 163 | GENITOURINARY SYMPTOMS AND ILL-DEFIN | 219 | 2,501,540 |
| 164 | HYPERPLASIA OF PROSTATE | 74 | 1,022,067 |
| 165 | INFLAMMATORY CONDITIONS OF MALE GENI | 31 | 342,142 |
| 166 | OTHER MALE GENITAL DISORDERS | 147 | 1,894,638 |
| 167 | NONMALIGNANT BREAST CONDITIONS | 247 | 3,131,851 |
| 168 | INFLAMMATORY DISEASES OF FEMALE PELV | 105 | 1,101,694 |
| 169 | ENDOMETRIOSIS | 34 | 450,042 |
| 170 | PROLAPSE OF FEMALE GENITAL ORGANS | 12 | 110,694 |
| 171 | MENSTRUAL DISORDERS | 291 | 3,370,807 |
| 172 | OVARIAN CYST | 66 | 730,081 |
| 173 | MENOPAUSAL DISORDERS | 483 | 5,780,678 |
| 174 | FEMALE INFERTILITY | 4 | 27,398 |
| 175 | OTHER FEMALE GENITAL DISORDERS | 255 | 2,906,025 |
| 176 | CONTRACEPTIVE AND PROCREATIVE MANAG | 364 | 4,912,720 |
| 177 | SPONTANEOUS ABORTION | 38 | 422,936 |
| 178 | INDUCED ABORTION | 1 | 16,437 |
| 180 | ECTOPIC PREGNANCY | 2 | 0 |
| 181 | OTHER COMPLICATIONS OF PREGNANCY | 15 | 165,965 |
| 182 | HEMORRHAGE DURING PREGNANCY, ABRUPTI | 2 | 26,513 |
| 184 | EARLY OR THREATENED LABOR | 18 | 171,975 |
| 186 | DIABETES OR ABNORMAL GLUCOSE TOLERAN | 15 | 226,283 |
| 187 | MALPOSITION, MALPRESENTATION | 1 | 2,210 |
| 191 | POLYHYDRAMNIOS AND OTHER PROBLEMS OF | 1 | 19,329 |
| 195 | OTHER COMPLICATIONS OF BIRTH, PUEPERE | 16 | 146,464 |
| 196 | NORMAL PREGNANCY AND/OR DELIVERY | 864 | 8,489,114 |
| 197 | SKIN AND SUBCUTANEOUS TISSUE INFECTI | 228 | 2,548,214 |
| 198 | OTHER INFLAMMATORY CONDITION OF SKIN | 193 | 2,498,528 |
| 199 | CHRONIC ULCER OF SKIN | 150 | 1,667,833 |
| 200 | OTHER SKIN DISORDERS | 1,503 | 19,135,406 |
| 201 | INFECTIVE ARTHRITIS AND OSTEOMYELITI | 12 | 176,327 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

| CCCODEX VALUE | LABEL | UNWEIGHTED | WEIGHTED BY PERWT99F |
|------------------|--------------------------------------|------------|-------------------------|
| 202 | RHEUMATOID ARTHRITIS AND RELATED DIS | 119 | 1,530,907 |
| 203 | OSTEOARTHRITIS | 114 | 1,529,873 |
| 204 | OTHER NON-TRAUMATIC JOINT DISORDERS | 2,099 | 25,594,298 |
| 205 | Spondylosis, intervertebral disc dis | 1,949 | 23,693,899 |
| 206 | osteoporosis | 179 | 2,301,079 |
| 207 | pathological fracture | 16 | 258,997 |
| 208 | acquired foot deformities | 81 | 1,038,541 |
| 209 | other acquired deformities | 31 | 358,775 |
| 210 | systemic lupus erythematosus and con | 46 | 526,465 |
| 211 | other connective tissue disease | 1,407 | 16,820,284 |
| 212 | other bone disease and musculoskelet | 170 | 1,993,281 |
| 213 | cardiac and circulatory congenital a | 28 | 288,972 |
| 214 | digestive congenital anomalies | 5 | 59,276 |
| 215 | genitourinary congenital anomalies | 11 | 136,850 |
| 216 | nervous system congenital anomalies | 9 | 109,281 |
| 217 | other congenital anomalies | 92 | 1,032,634 |
| 218 | liveborn | 32 | 418,730 |
| 219 | short gestation, low birth weight, a | 5 | 40,502 |
| 220 | intrauterine hypoxia and birth asphy | 1 | 3,817 |
| 222 | hemolytic jaundice and perinatal jau | 1 | 1,258 |
| 223 | birth trauma | 1 | 17,815 |
| 224 | other perinatal conditions | 5 | 60,499 |
| 225 | joint disorders and dislocations, tr | 172 | 2,271,992 |
| 226 | fracture of neck of femur (hip) | 39 | 566,623 |
| 227 | spinal cord injury | 15 | 185,155 |
| 228 | skull and face fractures | 29 | 360,358 |
| 229 | fracture of upper limb | 275 | 3,362,272 |
| 230 | fracture of lower limb | 212 | 2,553,126 |
| 231 | other fractures | 99 | 1,380,024 |
| 232 | sprains and strains | 1,120 | 14,075,982 |
| 233 | intracranial injury | 84 | 1,109,283 |
| 234 | crushing injury or internal injury | 25 | 321,516 |
| 235 | open wounds of head, neck, and trunk | 424 | 5,100,130 |
| 236 | open wounds of extremities | 350 | 4,537,752 |
| 237 | complication of device, implant or g | 49 | 699,817 |
| 238 | complications of surgical procedures | 89 | 890,150 |
| 239 | superficial injury, contusion | 504 | 6,273,750 |
| 240 | burns | 64 | 762,170 |
| 242 | poisoning by other medications and d | 99 | 1,179,180 |
| 243 | poisoning by nonmedicinal substances | 98 | 1,165,114 |
| 244 | other injuries and conditions due to | 1,135 | 13,259,031 |
| 245 | syncope | 35 | 382,196 |
| 246 | fever of unknown origin | 312 | 3,316,454 |
| 247 | lymphadenitis | 45 | 652,206 |
| 248 | gangrene | 3 | 76,189 |
| 249 | shock | 1 | 9,650 |
| 250 | nausea and vomiting | 90 | 915,984 |
| 251 | abdominal pain | 227 | 2,539,196 |
| 252 | malaise and fatigue | 224 | 2,917,287 |
| 253 | allergic reactions | 564 | 7,386,961 |
| 254 | rehabilitation care, fitting of pros | 20 | 157,397 |
| 255 | administrative/social admission | 1,275 | 15,866,343 |
| 256 | medical examination/evaluation | 905 | 10,166,219 |
| 257 | other aftercare | 193 | 2,214,562 |
| 258 | other screening for suspected condit | 110 | 1,250,371 |
| 259 | residual codes, unclassified | 1,582 | 18,694,174 |
| 260 | e (external causes of injury and poi | 4 | 55,076 |
| | TOTAL | 69,897 | 838,399,113 |

NOTE: '*' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

**Appendix 3:
Clinical Classification Code to
ICD-9 Code Crosswalk**

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| 1 Tuberculosis | | | | | | | | | | | | | | |
| V1201 | 01000 | 01001 | 01002 | 01003 | 01004 | 01005 | 01006 | 01010 | 01011 | 01012 | 01013 | | | |
| 01014 | 01015 | 01016 | 01080 | 01081 | 01082 | 01083 | 01084 | 01085 | 01086 | 01090 | 01091 | | | |
| 01092 | 01093 | 01094 | 01095 | 01096 | 01100 | 01101 | 01102 | 01103 | 01104 | 01105 | 01106 | | | |
| 01110 | 01111 | 01112 | 01113 | 01114 | 01115 | 01116 | 01120 | 01121 | 01122 | 01123 | 01124 | | | |
| 01125 | 01126 | 01130 | 01131 | 01132 | 01133 | 01134 | 01135 | 01136 | 01140 | 01141 | 01142 | | | |
| 01143 | 01144 | 01145 | 01146 | 01150 | 01151 | 01152 | 01153 | 01154 | 01155 | 01156 | 01160 | | | |
| 01161 | 01162 | 01163 | 01164 | 01165 | 01166 | 01170 | 01171 | 01172 | 01173 | 01174 | 01175 | | | |
| 01176 | 01180 | 01181 | 01182 | 01183 | 01184 | 01185 | 01186 | 01190 | 01191 | 01192 | 01193 | | | |
| 01194 | 01195 | 01196 | 01200 | 01201 | 01202 | 01203 | 01204 | 01205 | 01206 | 01210 | 01211 | | | |
| 01212 | 01213 | 01214 | 01215 | 01216 | 01220 | 01221 | 01222 | 01223 | 01224 | 01225 | 01226 | | | |
| 01230 | 01231 | 01232 | 01233 | 01234 | 01235 | 01236 | 01280 | 01281 | 01282 | 01283 | 01284 | | | |
| 01285 | 01286 | 01300 | 01301 | 01302 | 01303 | 01304 | 01305 | 01306 | 01310 | 01311 | 01312 | | | |
| 01313 | 01314 | 01315 | 01316 | 01320 | 01321 | 01322 | 01323 | 01324 | 01325 | 01326 | 01330 | | | |
| 01331 | 01332 | 01333 | 01334 | 01335 | 01336 | 01340 | 01341 | 01342 | 01343 | 01344 | 01345 | | | |
| 01346 | 01350 | 01351 | 01352 | 01353 | 01354 | 01355 | 01356 | 01360 | 01361 | 01362 | 01363 | | | |
| 01364 | 01365 | 01366 | 01380 | 01381 | 01382 | 01383 | 01384 | 01385 | 01386 | 01390 | 01391 | | | |
| 01392 | 01393 | 01394 | 01395 | 01396 | 01400 | 01401 | 01402 | 01403 | 01404 | 01405 | 01406 | | | |
| 01480 | 01481 | 01482 | 01483 | 01484 | 01485 | 01486 | 01500 | 01501 | 01502 | 01503 | 01504 | | | |
| 01505 | 01506 | 01510 | 01511 | 01512 | 01513 | 01514 | 01515 | 01516 | 01520 | 01521 | 01522 | | | |
| 01523 | 01524 | 01525 | 01526 | 01550 | 01551 | 01552 | 01553 | 01554 | 01555 | 01556 | 01560 | | | |
| 01561 | 01562 | 01563 | 01564 | 01565 | 01566 | 01570 | 01571 | 01572 | 01573 | 01574 | 01575 | | | |
| 01576 | 01580 | 01581 | 01582 | 01583 | 01584 | 01585 | 01586 | 01590 | 01591 | 01592 | 01593 | | | |
| 01594 | 01595 | 01596 | 01600 | 01601 | 01602 | 01603 | 01604 | 01605 | 01606 | 01610 | 01611 | | | |
| 01612 | 01613 | 01614 | 01615 | 01616 | 01620 | 01621 | 01622 | 01623 | 01624 | 01625 | 01626 | | | |
| 01630 | 01631 | 01632 | 01633 | 01634 | 01635 | 01636 | 01640 | 01641 | 01642 | 01643 | 01644 | | | |
| 01645 | 01646 | 01650 | 01651 | 01652 | 01653 | 01654 | 01655 | 01656 | 01660 | 01661 | 01662 | | | |
| 01663 | 01664 | 01665 | 01666 | 01670 | 01671 | 01672 | 01673 | 01674 | 01675 | 01676 | 01690 | | | |
| 01691 | 01692 | 01693 | 01694 | 01695 | 01696 | 01700 | 01701 | 01702 | 01703 | 01704 | 01705 | | | |
| 01706 | 01710 | 01711 | 01712 | 01713 | 01714 | 01715 | 01716 | 01720 | 01721 | 01722 | 01723 | | | |
| 01724 | 01725 | 01726 | 01730 | 01731 | 01732 | 01733 | 01734 | 01735 | 01736 | 01740 | 01741 | | | |
| 01742 | 01743 | 01744 | 01745 | 01746 | 01750 | 01751 | 01752 | 01753 | 01754 | 01755 | 01756 | | | |
| 01760 | 01761 | 01762 | 01763 | 01764 | 01765 | 01766 | 01770 | 01771 | 01772 | 01773 | 01774 | | | |
| 01775 | 01776 | 01780 | 01781 | 01782 | 01783 | 01784 | 01785 | 01786 | 01790 | 01791 | 01792 | | | |
| 01793 | 01794 | 01795 | 01796 | 01800 | 01801 | 01802 | 01803 | 01804 | 01805 | 01806 | 01880 | | | |
| 01881 | 01882 | 01883 | 01884 | 01885 | 01886 | 01890 | 01891 | 01892 | 01893 | 01894 | 01895 | | | |
| 01896 | 1370 | 1371 | 1372 | 1373 | 1374 | | | | | | | | | |

NOTE: All ICD-9-CM coding changes from January 1980 through September 1999 are included in this appendix. However, special treatment is required for code 2510 (Hypoglycemic coma) which resides in diagnosis category 50 Diabetes mellitus, if data prior to October 1993 are used. After October 1993, code 2510 resides in diagnosis category 51 Other endocrine disorders (as depicted in this appendix).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 2 | Septicemia (except in labor) | | | | | | | | | | | | |
| | 0031 | 0202 | 0223 | 0362 | 0380 | 0381 | 03810 | 03811 | 03819 | 0382 | 0383 | 03840 | |
| | 03841 | 03842 | 03843 | 03844 | 03849 | 0388 | 0389 | 0545 | 7907 | | | | |
| 3 | Bacterial infection, unspecified site | | | | | | | | | | | | |
| | V090 | V091 | V092 | V093 | V094 | V0950 | V0951 | V096 | V0970 | V0971 | V0980 | V0981 | |
| | V0990 | V0991 | 0200 | 0208 | 0209 | 0218 | 0219 | 0228 | 0229 | 0230 | 0231 | 0232 | |
| | 0233 | 0238 | 0239 | 024 | 025 | 0260 | 0269 | 0270 | 0271 | 0272 | 0278 | 0279 | |
| | 0300 | 0301 | 0302 | 0303 | 0308 | 0309 | 0312 | 0318 | 0319 | 03289 | 0329 | 0330 | |
| | 0331 | 0338 | 0339 | 0341 | 0363 | 03681 | 03689 | 0369 | 037 | 0392 | 0393 | 0394 | |
| | 0398 | 0399 | 0400 | 0401 | 0402 | 0403 | 04081 | 04089 | 0410 | 04100 | 04101 | 04102 | |
| | 04103 | 04104 | 04105 | 04109 | 0411 | 04110 | 04111 | 04119 | 0412 | 0413 | 0414 | 0415 | |
| | 0416 | 0417 | 0418 | 04181 | 04182 | 04183 | 04184 | 04185 | 04186 | 04189 | 0419 | 390 | |
| | 3929 | 7953 | | | | | | | | | | | |
| 4 | Mycoses | | | | | | | | | | | | |
| | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1108 | 1109 | 1110 | 1111 | 1112 | |
| | 1113 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1125 | 11282 | 11284 | 11285 | 11289 | |
| | 1129 | 1141 | 1143 | 1149 | 11500 | 11509 | 11510 | 11519 | 11590 | 11599 | 1160 | 1161 | |
| | 1162 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 118 | |
| 5 | HIV infection | | | | | | | | | | | | |
| | V08 | 042 | 0420 | 0421 | 0422 | 0429 | 0430 | 0431 | 0432 | 0433 | 0439 | 0440 | |
| | 0449 | 07953 | 27910 | 27919 | 79571 | 7958 | | | | | | | |
| 6 | Hepatitis | | | | | | | | | | | | |
| | 0700 | 0701 | 0702 | 07020 | 07021 | 07022 | 07023 | 0703 | 07030 | 07031 | 07032 | 07033 | |
| | 0704 | 07041 | 07042 | 07043 | 07044 | 07049 | 0705 | 07051 | 07052 | 07053 | 07054 | 07059 | |
| | 0706 | 0709 | 57140 | 57141 | 57149 | 5731 | 5732 | 5733 | | | | | |
| 7 | Viral infection | | | | | | | | | | | | |
| | 0500 | 0501 | 0502 | 0509 | 0510 | 0511 | 0512 | 0519 | 0527 | 0528 | 0529 | 05310 | |
| | 05311 | 05312 | 05313 | 05319 | 05371 | 05379 | 0538 | 0539 | 0540 | 05410 | 05411 | 05412 | |
| | 05413 | 05419 | 0542 | 0546 | 05471 | 05473 | 05479 | 0548 | 0549 | 05579 | 0558 | 0559 | |
| | 05600 | 05609 | 05679 | 0568 | 0569 | 0570 | 0578 | 0579 | 0600 | 0601 | 0609 | 061 | |
| | 0650 | 0651 | 0652 | 0653 | 0654 | 0658 | 0659 | 0660 | 0661 | 0663 | 0668 | 0669 | |
| | 071 | 0720 | 0723 | 07271 | 07272 | 07279 | 0728 | 0729 | 0737 | 0738 | 0739 | 0740 | |
| | 0741 | 0743 | 0748 | 075 | 0780 | 0781 | 07810 | 07811 | 07819 | 0782 | 0783 | 0784 | |
| | 0785 | 0786 | 0787 | 07881 | 07882 | 07888 | 07889 | 0790 | 0791 | 0792 | 0793 | 0794 | |
| | 07950 | 07951 | 07952 | 07959 | 0796 | 0798 | 07981 | 07988 | 07989 | 0799 | 07998 | 07999 | |
| | 7908 | | | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-2

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 8 | Other infections, including parasitic | | | | | | | | | | | | |
| | V120 | V1200 | V1203 | V1209 | 080 | 0810 | 0811 | 0812 | 0819 | 0820 | 0821 | 0822 | |
| | 0823 | 0828 | 0829 | 0831 | 0832 | 0838 | 0839 | 0840 | 0841 | 0842 | 0843 | 0844 | |
| | 0845 | 0846 | 0847 | 0848 | 0849 | 0850 | 0851 | 0852 | 0853 | 0854 | 0855 | 0859 | |
| | 0860 | 0861 | 0862 | 0863 | 0864 | 0865 | 0869 | 0870 | 0871 | 0879 | 0880 | 0888 | |
| | 08881 | 08882 | 08889 | 0889 | 1000 | 10089 | 1009 | 101 | 1020 | 1021 | 1022 | 1023 | |
| | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1039 | 1040 | |
| | 1048 | 1049 | 1200 | 1201 | 1202 | 1203 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | |
| | 1214 | 1215 | 1216 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | |
| | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1238 | 1239 | |
| | 124 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1259 | 1260 | 1261 | |
| | 1262 | 1263 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | |
| | 1278 | 1279 | 1280 | 1281 | 1288 | 1289 | 129 | 1305 | 1307 | 1308 | 1309 | 13100 | |
| | 13101 | 13102 | 13103 | 13109 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1329 | 1330 | |
| | 1338 | 1339 | 1340 | 1341 | 1342 | 1348 | 1349 | 135 | 1360 | 1361 | 1362 | 1364 | |
| | 1365 | 1368 | 1369 | 1398 | | | | | | | | | |
| 9 | Sexually transmitted infections (not HIV or hepatitis) | | | | | | | | | | | | |
| | 0900 | 0901 | 0902 | 0903 | 09040 | 09041 | 09042 | 09049 | 0905 | 0906 | 0907 | 0909 | |
| | 0910 | 0911 | 0912 | 0913 | 0914 | 09150 | 09151 | 09152 | 09161 | 09162 | 09169 | 0917 | |
| | 09181 | 09182 | 09189 | 0919 | 0920 | 0929 | 0930 | 0931 | 09320 | 09321 | 09322 | 09323 | |
| | 09324 | 09381 | 09382 | 09389 | 0939 | 0940 | 0941 | 0942 | 0943 | 09481 | 09482 | 09483 | |
| | 09484 | 09485 | 09486 | 09487 | 09489 | 0949 | 0950 | 0951 | 0952 | 0953 | 0954 | 0955 | |
| | 0956 | 0957 | 0958 | 0959 | 096 | 0970 | 0971 | 0979 | 0980 | 09810 | 09811 | 09812 | |
| | 09813 | 09814 | 09815 | 09816 | 09817 | 09819 | 0982 | 09830 | 09831 | 09832 | 09833 | 09834 | |
| | 09835 | 09836 | 09837 | 09839 | 09840 | 09841 | 09842 | 09843 | 09849 | 09850 | 09851 | 09852 | |
| | 09853 | 09859 | 0986 | 0987 | 09881 | 09882 | 09883 | 09884 | 09885 | 09886 | 09889 | 0990 | |
| | 0991 | 0992 | 0993 | 0994 | 09940 | 09941 | 09949 | 09950 | 09951 | 09952 | 09953 | 09954 | |
| | 09955 | 09956 | 09959 | 0998 | 0999 | | | | | | | | |
| 10 | Immunizations and screening for infectious disease | | | | | | | | | | | | |
| | V010 | V011 | V012 | V013 | V014 | V015 | V016 | V017 | V018 | V019 | V020 | V021 | |
| | V022 | V023 | V024 | V025 | V0251 | V0252 | V0259 | V026 | V0260 | V0261 | V0262 | V0269 | |
| | V027 | V028 | V029 | V030 | V031 | V032 | V033 | V034 | V035 | V036 | V037 | V038 | |
| | V0381 | V0382 | V0389 | V039 | V040 | V041 | V042 | V043 | V044 | V045 | V046 | V047 | |
| | V048 | V050 | V051 | V052 | V053 | V054 | V058 | V059 | V060 | V061 | V062 | V063 | |
| | V064 | V065 | V066 | V068 | V069 | V286 | V712 | V730 | V731 | V732 | V733 | V734 | |
| | V735 | V736 | V738 | V7388 | V7389 | V739 | V7398 | V7399 | V740 | V741 | V742 | V743 | |
| | V744 | V745 | V746 | V748 | V749 | V750 | V751 | V752 | V753 | V754 | V755 | V756 | |
| | V757 | V758 | V759 | 7955 | 7956 | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|------|------|------|------|------|------|------|------|------|
| 11 | Cancer of head and neck | | | | | | | | | | | |
| | V1001 | V1002 | V1021 | 1400 | 1401 | 1403 | 1404 | 1405 | 1406 | 1408 | 1409 | 1410 |
| | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1418 | 1419 | 1420 | 1421 | 1422 | 1428 |
| | 1429 | 1430 | 1431 | 1438 | 1439 | 1440 | 1441 | 1448 | 1449 | 1450 | 1451 | 1452 |
| | 1453 | 1454 | 1455 | 1456 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 |
| | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1478 | 1479 | 1480 | 1481 |
| | 1482 | 1483 | 1488 | 1489 | 1490 | 1491 | 1498 | 1499 | 1600 | 1601 | 1602 | 1603 |
| | 1604 | 1605 | 1608 | 1609 | 1610 | 1611 | 1612 | 1613 | 1618 | 1619 | 1950 | 2300 |
| | 2310 | | | | | | | | | | | |
| 12 | Cancer of esophagus | | | | | | | | | | | |
| | V1003 | 1500 | 1501 | 1502 | 1503 | 1504 | 1505 | 1508 | 1509 | 2301 | | |
| 13 | Cancer of stomach | | | | | | | | | | | |
| | V1004 | 1510 | 1511 | 1512 | 1513 | 1514 | 1515 | 1516 | 1518 | 1519 | 2302 | |
| 14 | Cancer of colon | | | | | | | | | | | |
| | V1005 | 1530 | 1531 | 1532 | 1533 | 1534 | 1535 | 1536 | 1537 | 1538 | 1539 | 1590 |
| | 2303 | | | | | | | | | | | |
| 15 | Cancer of rectum and anus | | | | | | | | | | | |
| | V1006 | 1540 | 1541 | 1542 | 1543 | 1548 | 2304 | 2305 | 2306 | | | |
| 16 | Cancer of liver and intrahepatic bile duct | | | | | | | | | | | |
| | V1007 | 1550 | 1551 | 1552 | 2308 | | | | | | | |
| 17 | Cancer of pancreas | | | | | | | | | | | |
| | 1570 | 1571 | 1572 | 1573 | 1574 | 1578 | 1579 | | | | | |
| 18 | Cancer of other GI organs, peritoneum | | | | | | | | | | | |
| | V1000 | V1009 | 1520 | 1521 | 1522 | 1523 | 1528 | 1529 | 1560 | 1561 | 1562 | 1568 |
| | 1569 | 1580 | 1588 | 1589 | 1591 | 1598 | 1599 | 2307 | 2309 | | | |
| 19 | Cancer of bronchus, lung | | | | | | | | | | | |
| | V1011 | 1622 | 1623 | 1624 | 1625 | 1628 | 1629 | 2312 | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| | Diagnosis category ICD-9-CM codes | | | | | | | | | | | |
|----|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|------|------|
| 20 | Cancer, other respiratory and intrathoracic | | | | | | | | | | | |
| | V1012 2318 | V1020 2319 | V1022 | 1620 | 1630 | 1631 | 1638 | 1639 | 1650 | 1658 | 1659 | 2311 |
| 21 | Cancer of bone and connective tissue | | | | | | | | | | | |
| | 1700 1713 | 1701 1714 | 1702 1715 | 1703 1716 | 1704 1717 | 1705 1718 | 1706 1719 | 1707 | 1708 | 1709 | 1710 | 1712 |
| 22 | Melanomas of skin | | | | | | | | | | | |
| | V1082 | 1720 | 1721 | 1722 | 1723 | 1724 | 1725 | 1726 | 1727 | 1728 | 1729 | |
| 23 | Other non-epithelial cancer of skin | | | | | | | | | | | |
| | V1083 2321 | 1730 2322 | 1731 2323 | 1732 2324 | 1733 2325 | 1734 2326 | 1735 2327 | 1736 2328 | 1737 2329 | 1738 | 1739 | 2320 |
| 24 | Cancer of breast | | | | | | | | | | | |
| | V103 2330 | 1740 | 1741 | 1742 | 1743 | 1744 | 1745 | 1746 | 1748 | 1749 | 1750 | 1759 |
| 25 | Cancer of uterus | | | | | | | | | | | |
| | V1042 | 179 | 1820 | 1821 | 1828 | 2332 | | | | | | |
| 26 | Cancer of cervix | | | | | | | | | | | |
| | V1041 | 1800 | 1801 | 1808 | 1809 | 2331 | 7950 | | | | | |
| 27 | Cancer of ovary | | | | | | | | | | | |
| | V1043 | 1830 | | | | | | | | | | |
| 28 | Cancer of other female genital organs | | | | | | | | | | | |
| | V1040 1843 | V1044 1844 | 181 1848 | 1832 1849 | 1833 2333 | 1834 | 1835 | 1838 | 1839 | 1840 | 1841 | 1842 |
| 29 | Cancer of prostate | | | | | | | | | | | |
| | V1046 | 185 | 2334 | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 30 | Cancer of testis | | | | | | | | | | | | |
| | V1047 | 1860 | 1869 | | | | | | | | | | |
| 31 | Cancer of other male genital organs | | | | | | | | | | | | |
| | V1045 | V1048 | V1049 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | |
| | 2335 | 2336 | | | | | | | | | | | |
| 32 | Cancer of bladder | | | | | | | | | | | | |
| | V1051 | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | 2337 | |
| 33 | Cancer of kidney and renal pelvis | | | | | | | | | | | | |
| | V1052 | 1890 | 1891 | | | | | | | | | | |
| 34 | Cancer of other urinary organs | | | | | | | | | | | | |
| | V1050 | V1059 | 1892 | 1893 | 1894 | 1898 | 1899 | 2339 | | | | | |
| 35 | Cancer of brain and nervous system | | | | | | | | | | | | |
| | V1085 | V1086 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | |
| | 1920 | 1921 | 1922 | 1923 | 1928 | 1929 | | | | | | | |
| 36 | Cancer of thyroid | | | | | | | | | | | | |
| | V1087 | 193 | | | | | | | | | | | |
| 37 | Hodgkin's disease | | | | | | | | | | | | |
| | V1072 | 20100 | 20101 | 20102 | 20103 | 20104 | 20105 | 20106 | 20107 | 20108 | 20110 | 20111 | |
| | 20112 | 20113 | 20114 | 20115 | 20116 | 20117 | 20118 | 20120 | 20121 | 20122 | 20123 | 20124 | |
| | 20125 | 20126 | 20127 | 20128 | 20140 | 20141 | 20142 | 20143 | 20144 | 20145 | 20146 | 20147 | |
| | 20148 | 20150 | 20151 | 20152 | 20153 | 20154 | 20155 | 20156 | 20157 | 20158 | 20160 | 20161 | |
| | 20162 | 20163 | 20164 | 20165 | 20166 | 20167 | 20168 | 20170 | 20171 | 20172 | 20173 | 20174 | |
| | 20175 | 20176 | 20177 | 20178 | 20190 | 20191 | 20192 | 20193 | 20194 | 20195 | 20196 | 20197 | |
| | 20198 | | | | | | | | | | | | |
| 38 | Non-Hodgkin's lymphoma | | | | | | | | | | | | |
| | V1071 | V1079 | 20000 | 20001 | 20002 | 20003 | 20004 | 20005 | 20006 | 20007 | 20008 | 20010 | |
| | 200011 | 200012 | 200013 | 200014 | 200015 | 200016 | 200017 | 200018 | 200020 | 200021 | 200022 | 200023 | |
| | 200024 | 200025 | 200026 | 200027 | 200028 | 200080 | 200081 | 200082 | 200083 | 200084 | 200085 | 200086 | |
| | 200087 | 200088 | 20200 | 20201 | 20202 | 20203 | 20204 | 20205 | 20206 | 20207 | 20208 | 20210 | |
| | 202011 | 202012 | 202013 | 202014 | 202015 | 202016 | 202017 | 202018 | 202020 | 202021 | 202022 | 202023 | |
| | 202024 | 202025 | 202026 | 202027 | 202028 | 202080 | 202081 | 202082 | 202083 | 202084 | 202085 | 202086 | |
| | 202087 | 202088 | 202090 | 202091 | 202092 | 202093 | 202094 | 202095 | 202096 | 202097 | 202098 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39 | Leukemias | | | | | | | | | | | | |
| | V1060 | V1061 | V1062 | V1063 | V1069 | 20240 | 20241 | 20242 | 20243 | 20244 | 20245 | 20246 | |
| | 20247 | 20248 | 2031 | 20310 | 20311 | 2040 | 20400 | 20401 | 2041 | 20410 | 20411 | 2042 | |
| | 20420 | 20421 | 2048 | 20480 | 20481 | 2049 | 20490 | 20491 | 2050 | 20500 | 20501 | 2051 | |
| | 20510 | 20511 | 2052 | 20520 | 20521 | 2053 | 20530 | 20531 | 2058 | 20580 | 20581 | 2059 | |
| | 20590 | 20591 | 2060 | 20600 | 20601 | 2061 | 20610 | 20611 | 2062 | 20620 | 20621 | 2068 | |
| | 20680 | 20681 | 2069 | 20690 | 20691 | 2070 | 20700 | 20701 | 2071 | 20710 | 20711 | 2072 | |
| | 20720 | 20721 | 2078 | 20780 | 20781 | 2080 | 20800 | 20801 | 2081 | 20810 | 20811 | 2082 | |
| | 20820 | 20821 | 2088 | 20880 | 20881 | 2089 | 20890 | 20891 | | | | | |
| 40 | Multiple myeloma | | | | | | | | | | | | |
| | 2030 | 20300 | 20301 | 2038 | 20380 | 20381 | | | | | | | |
| 41 | Cancer, other and unspecified primary | | | | | | | | | | | | |
| | V1029 | V1081 | V1084 | V1088 | V1089 | V109 | V711 | 1640 | 1641 | 1642 | 1643 | 1648 | |
| | 1649 | 1760 | 1761 | 1762 | 1763 | 1764 | 1765 | 1768 | 1769 | 1900 | 1901 | 1902 | |
| | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1940 | 1941 | 1943 | 1944 | 1945 | |
| | 1946 | 1948 | 1949 | 1951 | 1952 | 1953 | 1954 | 1955 | 1958 | 20230 | 20231 | 20232 | |
| | 20233 | 20234 | 20235 | 20236 | 20237 | 20238 | 20250 | 20251 | 20252 | 20253 | 20254 | 20255 | |
| | 20256 | 20257 | 20258 | 20260 | 20261 | 20262 | 20263 | 20264 | 20265 | 20266 | 20267 | 20268 | |
| | 2340 | 2348 | 2349 | 7951 | | | | | | | | | |
| 42 | Secondary malignancies | | | | | | | | | | | | |
| | 1960 | 1961 | 1962 | 1963 | 1965 | 1966 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | |
| | 1974 | 1975 | 1976 | 1977 | 1978 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | |
| | 1987 | 19881 | 19882 | 19889 | | | | | | | | | |
| 43 | Malignant neoplasm without specification of site | | | | | | | | | | | | |
| | 1990 | 1991 | | | | | | | | | | | |
| 44 | Neoplasms of unspecified nature or uncertain behavior | | | | | | | | | | | | |
| | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | |
| | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 23690 | 23691 | 23699 | 2370 | 2371 | 2372 | |
| | 2373 | 2374 | 2375 | 2376 | 2377 | 23770 | 23771 | 23772 | 2379 | 2380 | 2381 | 2382 | |
| | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | |
| | 2395 | 2396 | 2397 | 2398 | 2399 | | | | | | | | |
| 45 | Maintenance chemotherapy, radiotherapy | | | | | | | | | | | | |
| | V580 | V581 | V661 | V662 | V671 | V672 | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 46 | Benign neoplasm of uterus | | | | | | | | | | | |
| | 2180 | 2181 | 2182 | 2189 | 2190 | 2191 | 2198 | 2199 | | | | |
| 47 | Other and unspecified benign neoplasm | | | | | | | | | | | |
| | V1272 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 |
| | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 |
| | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 |
| | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2148 | 2149 |
| | 2150 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 |
| | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 217 | 220 | 2210 | 2211 | 2212 |
| | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2228 | 2229 | 2230 | 2231 | 2232 |
| | 2233 | 22381 | 22389 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 |
| | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2258 | 2259 | 226 | 2270 | 2271 |
| | 2273 | 2274 | 2275 | 2276 | 2278 | 2279 | 22800 | 22801 | 22802 | 22803 | 22804 | 22809 |
| | 2281 | 2290 | 2298 | 2299 | | | | | | | | |
| 48 | Thyroid disorders | | | | | | | | | | | |
| | 2400 | 2409 | 2410 | 2411 | 2419 | 24200 | 24201 | 24210 | 24211 | 24220 | 24221 | 24230 |
| | 24231 | 24240 | 24241 | 24280 | 24281 | 24290 | 24291 | 243 | 2440 | 2441 | 2442 | 2443 |
| | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2458 | 2459 | 2460 | 2461 | 2462 |
| | 2463 | 2468 | 2469 | 7945 | | | | | | | | |
| 49 | Diabetes mellitus without complication | | | | | | | | | | | |
| | 25000 | 25001 | 7902 | 7915 | 7916 | | | | | | | |
| 50 | Diabetes mellitus with complications | | | | | | | | | | | |
| | 25002 | 25003 | 25010 | 25011 | 25012 | 25013 | 25020 | 25021 | 25022 | 25023 | 25030 | 25031 |
| | 25032 | 25033 | 25040 | 25041 | 25042 | 25043 | 25050 | 25051 | 25052 | 25053 | 25060 | 25061 |
| | 25062 | 25063 | 25070 | 25071 | 25072 | 25073 | 25080 | 25081 | 25082 | 25083 | 25090 | 25091 |
| | 25092 | 25093 | | | | | | | | | | |
| 51 | Other endocrine disorders | | | | | | | | | | | |
| | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2518 | 2519 | 2520 | 2521 | 2528 | 2529 |
| | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 |
| | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2558 | 2559 | 2560 |
| | 2561 | 2562 | 2563 | 2564 | 2568 | 2569 | 2570 | 2571 | 2572 | 2578 | 2579 | 2580 |
| | 2581 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2598 | 2599 | 7946 | |
| 52 | Nutritional deficiencies | | | | | | | | | | | |
| | V121 | 260 | 261 | 262 | 2630 | 2631 | 2632 | 2638 | 2639 | 2640 | 2641 | 2642 |
| | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2660 | 2661 |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 2662 | 2669 | 267 | 2680 | 2681 | 2682 | 2689 | 2690 | 2691 | 2692 | 2693 | 2698 | |
| | 2699 | 7994 | | | | | | | | | | | |
| 53 | Disorders of lipid metabolism | | | | | | | | | | | | |
| | 2720 | 2721 | 2722 | 2723 | 2724 | | | | | | | | |
| 54 | Gout and other crystal arthropathies | | | | | | | | | | | | |
| | 2740 | 27410 | 27411 | 27419 | 27481 | 27482 | 27489 | 2749 | 71210 | 71211 | 71212 | 71213 | |
| | 71214 | 71215 | 71216 | 71217 | 71218 | 71219 | 71220 | 71221 | 71222 | 71223 | 71224 | 71225 | |
| | 71226 | 71227 | 71228 | 71229 | 71230 | 71231 | 71232 | 71233 | 71234 | 71235 | 71236 | 71237 | |
| | 71238 | 71239 | 71280 | 71281 | 71282 | 71283 | 71284 | 71285 | 71286 | 71287 | 71288 | 71289 | |
| | 71290 | 71291 | 71292 | 71293 | 71294 | 71295 | 71296 | 71297 | 71298 | 71299 | | | |
| 55 | Fluid and electrolyte disorders | | | | | | | | | | | | |
| | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | | | |
| 56 | Cystic fibrosis | | | | | | | | | | | | |
| | 27700 | 27701 | | | | | | | | | | | |
| 57 | Immunity disorders | | | | | | | | | | | | |
| | 27900 | 27901 | 27902 | 27903 | 27904 | 27905 | 27906 | 27909 | 27911 | 27912 | 27913 | 2792 | |
| | 2793 | 2794 | 2798 | 2799 | | | | | | | | | |
| 58 | Other nutritional, endocrine, and metabolic disorders | | | | | | | | | | | | |
| | V122 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | |
| | 2711 | 2712 | 2713 | 2714 | 2718 | 2719 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | |
| | 2731 | 2732 | 2733 | 2738 | 2739 | 2750 | 2751 | 2752 | 2753 | 2754 | 27540 | 27541 | |
| | 27542 | 27549 | 2758 | 2759 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2778 | 2779 | |
| | 2780 | 27800 | 27801 | 2781 | 2782 | 2783 | 2784 | 2788 | 7831 | 7832 | 7833 | 7834 | |
| | 7835 | 7839 | 7947 | 7957 | 79579 | | | | | | | | |
| 59 | Deficiency and other anemia | | | | | | | | | | | | |
| | 2800 | 2801 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2818 | 2819 | 2820 | |
| | 2821 | 2822 | 2823 | 2824 | 2827 | 2828 | 2829 | 2830 | 2831 | 28310 | 28311 | 28319 | |
| 60 | Acute posthemorrhagic anemia | | | | | | | | | | | | |
| | 2851 | | | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-9

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 61 | Sickle cell anemia | | | | | | | | | | | |
| | 2825 | 28260 | 28261 | 28262 | 28263 | 28269 | | | | | | |
| 62 | Coagulation and hemorrhagic disorders | | | | | | | | | | | |
| | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2869 | 2870 | 2871 | 2872 |
| | 2873 | 2874 | 2875 | 2878 | 2879 | 7827 | | | | | | |
| 63 | Diseases of white blood cells | | | | | | | | | | | |
| | 2880 | 2881 | 2882 | 2883 | 2888 | 2889 | | | | | | |
| 64 | Other hematologic conditions | | | | | | | | | | | |
| | V123 | V582 | 2890 | 2894 | 28950 | 28951 | 28959 | 2896 | 2897 | 2898 | 2899 | 7900 |
| 65 | Mental retardation | | | | | | | | | | | |
| | 317 | 3180 | 3181 | 3182 | 319 | | | | | | | |
| 66 | Alcohol-related mental disorders | | | | | | | | | | | |
| | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2918 | 29181 | 29189 | 2919 | 30300 | 30301 |
| | 30302 | 30303 | 30390 | 30391 | 30392 | 30393 | 30500 | 30501 | 30502 | 30503 | | |
| 67 | Substance-related mental disorders | | | | | | | | | | | |
| | V1582 | 2920 | 29211 | 29212 | 2922 | 29281 | 29282 | 29283 | 29284 | 29289 | 2929 | 30400 |
| | 30401 | 30402 | 30403 | 30410 | 30411 | 30412 | 30413 | 30420 | 30421 | 30422 | 30423 | 30430 |
| | 30431 | 30432 | 30433 | 30440 | 30441 | 30442 | 30443 | 30450 | 30451 | 30452 | 30453 | 30460 |
| | 30461 | 30462 | 30463 | 30470 | 30471 | 30472 | 30473 | 30480 | 30481 | 30482 | 30483 | 30490 |
| | 30491 | 30492 | 30493 | 3051 | 30510 | 30511 | 30512 | 30513 | 30520 | 30521 | 30522 | 30523 |
| | 30530 | 30531 | 30532 | 30533 | 30540 | 30541 | 30542 | 30543 | 30550 | 30551 | 30552 | 30553 |
| | 30560 | 30561 | 30562 | 30563 | 30570 | 30571 | 30572 | 30573 | 30580 | 30581 | 30582 | 30583 |
| | 30590 | 30591 | 30592 | 30593 | | | | | | | | |
| 68 | Senility and organic mental disorders | | | | | | | | | | | |
| | 2900 | 29010 | 29011 | 29012 | 29013 | 29020 | 29021 | 2903 | 29040 | 29041 | 29042 | 29043 |
| | 2908 | 2909 | 2930 | 2931 | 29381 | 29382 | 29383 | 29384 | 29389 | 2939 | 2940 | 2941 |
| | 2948 | 2949 | 3100 | 3101 | 3102 | 3108 | 3109 | 3310 | 3311 | 3312 | 797 | |
| 69 | Affective disorders | | | | | | | | | | | |
| | 29600 | 29601 | 29602 | 29603 | 29604 | 29605 | 29606 | 29610 | 29611 | 29612 | 29613 | 29614 |
| | 29615 | 29616 | 29620 | 29621 | 29622 | 29623 | 29624 | 29625 | 29626 | 29630 | 29631 | 29632 |
| | 29633 | 29634 | 29635 | 29636 | 29640 | 29641 | 29642 | 29643 | 29644 | 29645 | 29646 | 29650 |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-10

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | 29651 | 29652 | 29653 | 29654 | 29655 | 29656 | 29660 | 29661 | 29662 | 29663 | 29664 | 29665 | | |
| | 29666 | 2967 | 29680 | 29681 | 29682 | 29689 | 29690 | 29699 | 2980 | 3004 | 30111 | 30113 | | |
| 70 | Schizophrenia and related disorders | | | | | | | | | | | | | |
| | 29500 | 29501 | 29502 | 29503 | 29504 | 29505 | 29510 | 29511 | 29512 | 29513 | 29514 | 29515 | | |
| | 29520 | 29521 | 29522 | 29523 | 29524 | 29525 | 29530 | 29531 | 29532 | 29533 | 29534 | 29535 | | |
| | 29540 | 29541 | 29542 | 29543 | 29544 | 29545 | 29550 | 29551 | 29552 | 29553 | 29554 | 29555 | | |
| | 29560 | 29561 | 29562 | 29563 | 29564 | 29565 | 29570 | 29571 | 29572 | 29573 | 29574 | 29575 | | |
| | 29580 | 29581 | 29582 | 29583 | 29584 | 29585 | 29590 | 29591 | 29592 | 29593 | 29594 | 29595 | | |
| | 29900 | 29901 | 29910 | 29911 | 29980 | 29981 | 29990 | 29991 | | | | | | |
| 71 | Other psychoses | | | | | | | | | | | | | |
| | 2970 | 2971 | 2972 | 2973 | 2978 | 2979 | 2981 | 2982 | 2983 | 2984 | 2988 | 2989 | | |
| 72 | Anxiety, somatoform, dissociative, and personality disorders | | | | | | | | | | | | | |
| | 30000 | 30001 | 30002 | 30009 | 30010 | 30011 | 30012 | 30013 | 30014 | 30015 | 30016 | 30019 | | |
| | 30020 | 30021 | 30022 | 30023 | 30029 | 3003 | 3005 | 3006 | 3007 | 30081 | 30082 | 3010 | | |
| | 30110 | 30112 | 30120 | 30121 | 30122 | 3013 | 3014 | 30150 | 30151 | 30159 | 3016 | 3017 | | |
| | 30181 | 30182 | 30183 | 30184 | 30189 | 3019 | 30740 | 30741 | 30742 | 30743 | 30744 | 30745 | | |
| | 30747 | 30748 | 30749 | 30780 | 30781 | 30789 | 3079 | 3080 | 3081 | 3082 | 3083 | 3084 | | |
| | 3089 | 30981 | 31230 | 31231 | 31232 | 31233 | 31234 | 31235 | 31239 | | | | | |
| 73 | Preadult disorders | | | | | | | | | | | | | |
| | 30921 | 31200 | 31201 | 31202 | 31203 | 31210 | 31211 | 31212 | 31213 | 31220 | 31221 | 31222 | | |
| | 31223 | 3124 | 3128 | 31281 | 31282 | 31289 | 3129 | 3130 | 31321 | 31400 | 31401 | 3141 | | |
| 74 | Other mental conditions | | | | | | | | | | | | | |
| | 30089 | 3009 | 3021 | 3022 | 3023 | 3024 | 30250 | 30251 | 30252 | 30253 | 3026 | 30270 | | |
| | 30271 | 30272 | 30273 | 30274 | 30275 | 30276 | 30279 | 30281 | 30282 | 30283 | 30284 | 30285 | | |
| | 30289 | 3029 | 3060 | 3061 | 3062 | 3063 | 3064 | 30650 | 30651 | 30652 | 30653 | 30659 | | |
| | 3066 | 3067 | 3068 | 3069 | 3070 | 3071 | 30720 | 30721 | 30722 | 30723 | 3073 | 30746 | | |
| | 30750 | 30751 | 30752 | 30753 | 30754 | 30759 | 3076 | 3077 | 3090 | 3091 | 30922 | 30923 | | |
| | 30924 | 30928 | 30929 | 3093 | 3094 | 30982 | 30983 | 30989 | 3099 | 311 | 3131 | 31322 | | |
| | 31323 | 3133 | 31381 | 31382 | 31383 | 31389 | 3139 | 31500 | 31501 | 31502 | 31509 | 3151 | | |
| | 3152 | 31531 | 31532 | 31539 | 3154 | 3155 | 3158 | 3159 | 316 | 7801 | | | | |
| 75 | Personal history of mental disorder, mental and behavioral problems, observation and screening for mental condition | | | | | | | | | | | | | |
| | V110 | V111 | V112 | V113 | V118 | V119 | V154 | V1541 | V1542 | V1549 | V400 | V401 | | |
| | V402 | V403 | V409 | V663 | V673 | V701 | V702 | V7101 | V7102 | V7109 | V790 | V791 | | |
| | V792 | V793 | V798 | V799 | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-11

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 76 | Meningitis (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 00321 | 0360 | 0470 | 0471 | 0478 | 0479 | 0490 | 0491 | 0530 | 05472 | 0721 | 10081 | |
| | 11283 | 1142 | 11501 | 11511 | 11591 | 3200 | 3201 | 3202 | 3203 | 3207 | 3208 | 32081 | |
| | 32082 | 32089 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3218 | 3220 | 3221 | 3222 | |
| | | | | | | | | | | | | | |
| 77 | Encephalitis (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 0361 | 0462 | 0498 | 0499 | 0520 | 0543 | 0550 | 05601 | 0620 | 0621 | 0622 | 0623 | |
| | 0624 | 0625 | 0628 | 0629 | 0630 | 0631 | 0632 | 0638 | 0639 | 064 | 0662 | 0722 | |
| | 1300 | 1390 | 3230 | 3231 | 3232 | 3234 | 3235 | 3236 | 3237 | 3238 | 3239 | | |
| 78 | Other CNS infection and poliomyelitis | | | | | | | | | | | | |
| | V1202 | 04500 | 04501 | 04502 | 04503 | 04510 | 04511 | 04512 | 04513 | 04520 | 04521 | 04522 | |
| | 04523 | 04590 | 04591 | 04592 | 04593 | 0460 | 0461 | 0463 | 0468 | 0469 | 048 | 138 | |
| | 3240 | 3241 | 3249 | 326 | | | | | | | | | |
| 79 | Parkinson's disease | | | | | | | | | | | | |
| | | 3320 | | | | | | | | | | | |
| 80 | Multiple sclerosis | | | | | | | | | | | | |
| | | 340 | | | | | | | | | | | |
| 81 | Other hereditary and degenerative nervous system conditions | | | | | | | | | | | | |
| | 3300 | 3301 | 3302 | 3303 | 3308 | 3309 | 3313 | 3314 | 3317 | 33181 | 33189 | 3319 | |
| | 3330 | 3331 | 3332 | 3333 | 3334 | 3335 | 3336 | 3337 | 33381 | 33382 | 33383 | 33384 | |
| | 33389 | 33390 | 33391 | 33392 | 33393 | 33399 | 3340 | 3341 | 3342 | 3343 | 3344 | 3348 | |
| | 3349 | 3350 | 33510 | 33511 | 33519 | 33520 | 33521 | 33522 | 33523 | 33524 | 33529 | 3358 | |
| | 3359 | 3360 | 3361 | 3362 | 3363 | 3368 | 3369 | 3370 | 3371 | 3373 | 3379 | | |
| 82 | Paralysis | | | | | | | | | | | | |
| | 3420 | 34200 | 34201 | 34202 | 3421 | 34210 | 34211 | 34212 | 34280 | 34281 | 34282 | 3429 | |
| | 34290 | 34291 | 34292 | 3430 | 3431 | 3432 | 3433 | 3434 | 3438 | 3439 | 3440 | 34400 | |
| | 34401 | 34402 | 34403 | 34404 | 34409 | 3441 | 3442 | 3443 | 34430 | 34431 | 34432 | 3444 | |
| | 34440 | 34441 | 34442 | 3445 | 34460 | 3448 | 34481 | 34489 | 3449 | 7814 | | | |
| 83 | Epilepsy, convulsions | | | | | | | | | | | | |
| | 3450 | 34500 | 34501 | 3451 | 34510 | 34511 | 3452 | 3453 | 3454 | 34540 | 34541 | 3455 | |
| | 34550 | 34551 | 3456 | 34560 | 34561 | 3457 | 34570 | 34571 | 3458 | 34580 | 34581 | 3459 | |
| | 34590 | 34591 | 7803 | 78031 | 78039 | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-12

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 84 | Headache, including migraine | | | | | | | | | | | | |
| | 3460 | 34600 | 34601 | 3461 | 34610 | 34611 | 3462 | 34620 | 34621 | 3468 | 34680 | 34681 | |
| | 3469 | 34690 | 34691 | 7840 | | | | | | | | | |
| 85 | Coma, stupor, and brain damage | | | | | | | | | | | | |
| | 3481 | 7800 | 78001 | 78003 | 78009 | | | | | | | | |
| 86 | Cataract | | | | | | | | | | | | |
| | V431 | 36600 | 36601 | 36602 | 36603 | 36604 | 36609 | 36610 | 36611 | 36612 | 36613 | 36614 | |
| | 36615 | 36616 | 36617 | 36618 | 36619 | 36620 | 36621 | 36622 | 36623 | 36630 | 36631 | 36632 | |
| | 36633 | 36634 | 36641 | 36642 | 36643 | 36644 | 36645 | 36646 | 36647 | 36650 | 36651 | 36652 | 36653 |
| | 3668 | 3669 | | | | | | | | | | | |
| 87 | Retinal detachments, defects, vascular occlusion, and retinopathy | | | | | | | | | | | | |
| | 36100 | 36101 | 36102 | 36103 | 36104 | 36105 | 36106 | 36107 | 36110 | 36111 | 36112 | 36113 | |
| | 36114 | 36119 | 3612 | 36130 | 36131 | 36132 | 36133 | 36181 | 36189 | 3619 | 36201 | 36202 | |
| | 36210 | 36211 | 36212 | 36213 | 36214 | 36215 | 36216 | 36217 | 36218 | 36221 | 36229 | 36230 | |
| | 36231 | 36232 | 36233 | 36234 | 36235 | 36236 | 36237 | 36240 | 36241 | 36242 | 36243 | 36250 | |
| | 36251 | 36252 | 36253 | 36254 | 36255 | 36256 | 36257 | 36260 | 36261 | 36262 | 36263 | 36264 | |
| | 36265 | 36266 | 36270 | 36271 | 36272 | 36273 | 36274 | 36275 | 36276 | 36277 | 36281 | 36282 | |
| | 36283 | 36284 | 36285 | 36289 | 3629 | | | | | | | | |
| 88 | Glaucoma | | | | | | | | | | | | |
| | 36500 | 36501 | 36502 | 36503 | 36504 | 36510 | 36511 | 36512 | 36513 | 36514 | 36515 | 36520 | |
| | 36521 | 36522 | 36523 | 36524 | 36531 | 36532 | 36541 | 36542 | 36543 | 36544 | 36551 | 36552 | |
| | 36559 | 36560 | 36561 | 36562 | 36563 | 36564 | 36565 | 36581 | 36582 | 36589 | 3659 | | |
| 89 | Blindness and vision defects | | | | | | | | | | | | |
| | V410 | 3670 | 3671 | 36720 | 36721 | 36722 | 36731 | 36732 | 3674 | 36751 | 36752 | 36753 | |
| | 36781 | 36789 | 3679 | 36800 | 36801 | 36802 | 36803 | 36810 | 36811 | 36812 | 36813 | 36814 | |
| | 36815 | 36816 | 3682 | 36830 | 36831 | 36832 | 36833 | 36834 | 36840 | 36841 | 36842 | 36843 | |
| | 36844 | 36845 | 36846 | 36847 | 36851 | 36852 | 36853 | 36854 | 36855 | 36859 | 36860 | 36861 | |
| | 36862 | 36863 | 36869 | 3688 | 3689 | 36900 | 36901 | 36902 | 36903 | 36904 | 36905 | 36906 | |
| | 36907 | 36908 | 36910 | 36911 | 36912 | 36913 | 36914 | 36915 | 36916 | 36917 | 36918 | 36920 | |
| | 36921 | 36922 | 36923 | 36924 | 36925 | 3693 | 3694 | 36960 | 36961 | 36962 | 36963 | 36964 | |
| | 36965 | 36966 | 36967 | 36968 | 36969 | 36970 | 36971 | 36972 | 36973 | 36974 | 36975 | 36976 | |
| | 3698 | 3699 | | | | | | | | | | | |
| 90 | Inflammation, infection of eye (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 0213 | 03281 | 05320 | 05321 | 05322 | 05329 | 05440 | 05441 | 05442 | 05443 | 05444 | 05449 | |
| | 05571 | 0760 | 0761 | 0769 | 0770 | 0771 | 0772 | 0773 | 0774 | 0778 | 0779 | 07798 | |
| | 07799 | 11502 | 11512 | 11592 | 1301 | 1302 | 1391 | 36000 | 36001 | 36002 | 36003 | 36004 | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-13

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 36011 | 36012 | 36013 | 36014 | 36019 | 36300 | 36301 | 36303 | 36304 | 36305 | 36306 | 36307 | | | |
| 36308 | 36310 | 36311 | 36312 | 36313 | 36314 | 36315 | 36320 | 36321 | 36322 | 36400 | 36401 | | | |
| 36402 | 36403 | 36404 | 36405 | 36410 | 36411 | 36421 | 36422 | 36423 | 36424 | 3643 | 37020 | | | |
| 37021 | 37022 | 37023 | 37024 | 37031 | 37032 | 37033 | 37034 | 37035 | 37040 | 37044 | 37049 | | | |
| 37050 | 37052 | 37054 | 37055 | 37059 | 3708 | 3709 | 37200 | 37201 | 37202 | 37203 | 37204 | | | |
| 37205 | 37210 | 37211 | 37212 | 37213 | 37214 | 37215 | 37220 | 37221 | 37222 | 37230 | 37231 | | | |
| 37233 | 37239 | 37300 | 37301 | 37302 | 37311 | 37312 | 37313 | 37331 | 37332 | 37333 | 37334 | | | |
| 3734 | 3735 | 3736 | 3738 | 3739 | 37500 | 37501 | 37502 | 37503 | 37530 | 37531 | 37532 | | | |
| 37533 | 37541 | 37542 | 37543 | 37600 | 37601 | 37602 | 37603 | 37604 | 37610 | 37611 | 37612 | | | |
| 37613 | 37730 | 37731 | 37732 | 37733 | 37734 | 37739 | 37900 | 37901 | 37902 | 37903 | 37904 | | | |
| 37905 | 37906 | 37907 | 37909 | | | | | | | | | | | |
| 91 | Other eye disorders | | | | | | | | | | | | | |
| | V411 | V425 | V430 | V456 | V4561 | V4569 | V522 | V531 | V720 | 36020 | 36021 | 36023 | | |
| | 36024 | 36029 | 36030 | 36031 | 36032 | 36033 | 36034 | 36040 | 36041 | 36042 | 36043 | 36044 | | |
| | 36050 | 36051 | 36052 | 36053 | 36054 | 36055 | 36059 | 36060 | 36061 | 36062 | 36063 | 36064 | | |
| | 36065 | 36069 | 36081 | 36089 | 3609 | 36330 | 36331 | 36332 | 36333 | 36334 | 36335 | 36340 | | |
| | 36341 | 36342 | 36343 | 36350 | 36351 | 36352 | 36353 | 36354 | 36355 | 36356 | 36357 | 36361 | | |
| | 36362 | 36363 | 36370 | 36371 | 36372 | 3638 | 3639 | 36441 | 36442 | 36451 | 36452 | 36453 | | |
| | 36454 | 36455 | 36456 | 36457 | 36459 | 36460 | 36461 | 36462 | 36463 | 36464 | 36470 | 36471 | | |
| | 36472 | 36473 | 36474 | 36475 | 36476 | 36477 | 3648 | 3649 | 37000 | 37001 | 37002 | 37003 | | |
| | 37004 | 37005 | 37006 | 37007 | 37060 | 37061 | 37062 | 37063 | 37064 | 37100 | 37101 | 37102 | | |
| | 37103 | 37104 | 37105 | 37110 | 37111 | 37112 | 37113 | 37114 | 37115 | 37116 | 37120 | 37121 | | |
| | 37122 | 37123 | 37124 | 37130 | 37131 | 37132 | 37133 | 37140 | 37141 | 37142 | 37143 | 37144 | | |
| | 37145 | 37146 | 37148 | 37149 | 37150 | 37151 | 37152 | 37153 | 37154 | 37155 | 37156 | 37157 | | |
| | 37158 | 37160 | 37161 | 37162 | 37170 | 37171 | 37172 | 37173 | 37181 | 37182 | 37189 | 3719 | | |
| | 37240 | 37241 | 37242 | 37243 | 37244 | 37245 | 37250 | 37251 | 37252 | 37253 | 37254 | 37255 | | |
| | 37256 | 37261 | 37262 | 37263 | 37264 | 37271 | 37272 | 37273 | 37274 | 37275 | 3728 | 3729 | | |
| | 3732 | 37400 | 37401 | 37402 | 37403 | 37404 | 37405 | 37410 | 37411 | 37412 | 37413 | 37414 | | |
| | 37420 | 37421 | 37422 | 37423 | 37430 | 37431 | 37432 | 37433 | 37434 | 37441 | 37443 | 37444 | | |
| | 37445 | 37446 | 37450 | 37451 | 37452 | 37453 | 37454 | 37455 | 37456 | 37481 | 37482 | 37483 | | |
| | 37484 | 37485 | 37486 | 37487 | 37489 | 3749 | 37511 | 37512 | 37513 | 37514 | 37515 | 37516 | | |
| | 37520 | 37521 | 37522 | 37551 | 37552 | 37553 | 37554 | 37555 | 37556 | 37557 | 37561 | 37569 | | |
| | 37581 | 37589 | 3759 | 37621 | 37622 | 37630 | 37631 | 37632 | 37633 | 37634 | 37635 | 37636 | | |
| | 37640 | 37641 | 37642 | 37643 | 37644 | 37645 | 37646 | 37647 | 37650 | 37651 | 37652 | 3766 | | |
| | 37681 | 37682 | 37689 | 3769 | 37700 | 37701 | 37702 | 37703 | 37704 | 37710 | 37711 | 37712 | | |
| | 37713 | 37714 | 37715 | 37716 | 37721 | 37722 | 37723 | 37724 | 37741 | 37742 | 37749 | 37751 | | |
| | 37752 | 37753 | 37754 | 37761 | 37762 | 37763 | 37771 | 37772 | 37773 | 37775 | 3779 | 37800 | | |
| | 37801 | 37802 | 37803 | 37804 | 37805 | 37806 | 37807 | 37808 | 37810 | 37811 | 37812 | 37813 | | |
| | 37814 | 37815 | 37816 | 37817 | 37818 | 37820 | 37821 | 37822 | 37823 | 37824 | 37830 | 37831 | | |
| | 37832 | 37833 | 37834 | 37835 | 37840 | 37841 | 37842 | 37843 | 37844 | 37845 | 37850 | 37851 | | |
| | 37852 | 37853 | 37854 | 37855 | 37856 | 37860 | 37861 | 37862 | 37863 | 37871 | 37872 | 37873 | | |
| | 37881 | 37882 | 37883 | 37884 | 37885 | 37886 | 37887 | 3789 | 37911 | 37912 | 37913 | 37914 | | |
| | 37915 | 37916 | 37919 | 37921 | 37922 | 37923 | 37924 | 37925 | 37926 | 37929 | 37931 | 37932 | | |
| | 37933 | 37934 | 37939 | 37940 | 37941 | 37942 | 37943 | 37945 | 37946 | 37949 | 37950 | 37951 | | |
| | 37952 | 37953 | 37954 | 37955 | 37956 | 37957 | 37958 | 37959 | 3798 | 37990 | 37991 | 37992 | | |
| | 37993 | 37999 | | | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-14

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 92 | Otitis media and related conditions | | | | | | | | | | | | |
| 0552 | 38100 | 38101 | 38102 | 38103 | 38104 | 38105 | 38106 | 38110 | 38119 | 38120 | 38129 | | |
| 3813 | 3814 | 38150 | 38151 | 38152 | 38160 | 38161 | 38162 | 38163 | 3817 | 38181 | 38189 | | |
| 3819 | 38200 | 38201 | 38202 | 3821 | 3822 | 3823 | 3824 | 3829 | 38300 | 38301 | 38302 | | |
| 3831 | 38320 | 38321 | 38322 | 38330 | 38331 | 38332 | 38333 | 38381 | 38389 | 3839 | 38420 | | |
| 38421 | 38422 | 38423 | 38424 | 38425 | 38481 | 38482 | 3849 | 38500 | 38501 | 38502 | 38503 | | |
| 38509 | 38510 | 38511 | 38512 | 38513 | 38519 | 38521 | 38522 | 38523 | 38524 | 3870 | 3871 | | |
| 3872 | 3878 | 3879 | | | | | | | | | | | |
| 93 | Conditions associated with dizziness or vertigo | | | | | | | | | | | | |
| 38600 | 38601 | 38602 | 38603 | 38604 | 38610 | 38611 | 38612 | 38619 | 3862 | 38630 | 38631 | | |
| 38632 | 38633 | 38634 | 38635 | 38640 | 38641 | 38642 | 38643 | 38648 | 38650 | 38651 | 38652 | | |
| 38653 | 38654 | 38655 | 38656 | 38658 | 3868 | 3869 | 7804 | | | | | | |
| 94 | Other ear and sense organ disorders | | | | | | | | | | | | |
| V412 | V413 | V532 | V721 | 38000 | 38001 | 38002 | 38010 | 38011 | 38012 | 38013 | 38014 | | |
| 38015 | 38016 | 38021 | 38022 | 38023 | 38030 | 38031 | 38032 | 38039 | 3804 | 38050 | 38051 | | |
| 38052 | 38053 | 38081 | 38089 | 3809 | 38400 | 38401 | 38409 | 3841 | 38530 | 38531 | 38532 | | |
| 38533 | 38535 | 38582 | 38583 | 38589 | 3859 | 38800 | 38801 | 38802 | 38810 | 38811 | 38812 | | |
| 3882 | 38830 | 38831 | 38832 | 38840 | 38841 | 38842 | 38843 | 38844 | 3885 | 38860 | 38861 | | |
| 38869 | 38870 | 38871 | 38872 | 3888 | 3889 | 38900 | 38901 | 38902 | 38903 | 38904 | 38908 | | |
| 38910 | 38911 | 38912 | 38914 | 38918 | 3892 | 3897 | 3898 | 3899 | | | | | |
| 95 | Other nervous system disorders | | | | | | | | | | | | |
| V124 | V1240 | V1241 | V1249 | V415 | V452 | V484 | V485 | V493 | V530 | V5301 | V5302 | | |
| V5309 | 325 | 3321 | 33720 | 33721 | 33722 | 33729 | 3410 | 3411 | 3418 | 3419 | 34461 | | |
| 347 | 3480 | 3482 | 3483 | 3484 | 3485 | 3488 | 3489 | 3492 | 34981 | 34982 | 34989 | | |
| 3499 | 3501 | 3502 | 3508 | 3509 | 3510 | 3511 | 3518 | 3519 | 3520 | 3521 | 3522 | | |
| 3523 | 3524 | 3525 | 3526 | 3529 | 3530 | 3531 | 3532 | 3533 | 3534 | 3535 | 3536 | | |
| 3538 | 3539 | 3540 | 3541 | 3542 | 3543 | 3544 | 3545 | 3548 | 3549 | 3550 | 3551 | | |
| 3552 | 3553 | 3554 | 3555 | 3556 | 3557 | 35571 | 35579 | 3558 | 3559 | 3560 | 3561 | | |
| 3562 | 3563 | 3564 | 3568 | 3569 | 3570 | 3571 | 3572 | 3573 | 3574 | 3575 | 3576 | | |
| 3577 | 3578 | 3579 | 3580 | 3581 | 3582 | 3588 | 3589 | 3590 | 3591 | 3592 | 3593 | | |
| 3594 | 3595 | 3596 | 3598 | 3599 | 7810 | 7811 | 7812 | 7813 | 7817 | 7818 | 7820 | | |
| 7843 | 7845 | 78460 | 78461 | 78469 | 7920 | 7930 | 79400 | 79401 | 79402 | 79409 | 79410 | | |
| 79411 | 79412 | 79413 | 79414 | 79415 | 79416 | 79417 | 79419 | 7961 | | | | | |
| 96 | Heart valve disorders | | | | | | | | | | | | |
| V422 | V433 | 3940 | 3941 | 3942 | 3949 | 3950 | 3951 | 3952 | 3959 | 3960 | 3961 | | |
| 3962 | 3963 | 3968 | 3969 | 3970 | 3971 | 3979 | 4240 | 4241 | 4242 | 4243 | 42490 | | |
| 42491 | 42499 | 7852 | 7853 | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-15

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 97 | Peri-, endo-, and myocarditis, cardiomyopathy (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 03282 | 03640 | 03641 | 03642 | 03643 | 07420 | 07421 | 07422 | 07423 | 11281 | 11503 | 11504 | |
| | 11513 | 11514 | 11593 | 11594 | 1303 | 3910 | 3911 | 3912 | 3918 | 3919 | 3920 | 393 | |
| | 3980 | 39890 | 39899 | 4200 | 42090 | 42091 | 42099 | 4210 | 4211 | 4219 | 4220 | 42290 | |
| | 42291 | 42292 | 42293 | 42299 | 4230 | 4231 | 4232 | 4238 | 4239 | 4250 | 4251 | 4252 | |
| | 4253 | 4254 | 4255 | 4257 | 4258 | 4259 | 4290 | | | | | | |
| 98 | Essential hypertension | | | | | | | | | | | | |
| | 4011 | 4019 | | | | | | | | | | | |
| 99 | Hypertension with complications and secondary hypertension | | | | | | | | | | | | |
| | 4010 | 40200 | 40201 | 40210 | 40211 | 40290 | 40291 | 4030 | 40300 | 40301 | 4031 | 40310 | |
| | 40311 | 4039 | 40390 | 40391 | 4040 | 40400 | 40401 | 40402 | 40403 | 4041 | 40410 | 40411 | |
| | | | | | 40412 | 40413 | 4049 | 40490 | 40491 | 40492 | 40493 | 40501 | |
| | | | | | 40509 | 40511 | 40519 | 40591 | 40599 | 4372 | | | |
| 100 | Acute myocardial infarction | | | | | | | | | | | | |
| | 4100 | 41000 | 41001 | 41002 | 4101 | 41010 | 41011 | 41012 | 4102 | 41020 | 41021 | 41022 | |
| | 4103 | 41030 | 41031 | 41032 | 4104 | 41040 | 41041 | 41042 | 4105 | 41050 | 41051 | 41052 | |
| | 4106 | 41060 | 41061 | 41062 | 4107 | 41070 | 41071 | 41072 | 4108 | 41080 | 41081 | 41082 | |
| | 4109 | 41090 | 41091 | 41092 | | | | | | | | | |
| 101 | Coronary atherosclerosis and other heart disease | | | | | | | | | | | | |
| | V4581 | V4582 | 4110 | 4111 | 4118 | 41181 | 41189 | 412 | 4130 | 4131 | 4139 | 4140 | |
| | 41400 | 41401 | 4148 | 4149 | | | | | | | | | |
| 102 | Nonspecific chest pain | | | | | | | | | | | | |
| | 78650 | 78651 | 78659 | | | | | | | | | | |
| 103 | Pulmonary heart disease | | | | | | | | | | | | |
| | 4150 | 4151 | 41519 | 4160 | 4161 | 4168 | 4169 | 4170 | 4171 | 4178 | 4179 | | |
| 104 | Other and ill-defined heart disease | | | | | | | | | | | | |
| | 41410 | 41411 | 41419 | 4291 | 4292 | 4293 | 4295 | 4296 | 42971 | 42979 | 42981 | 42982 | |
| | 42989 | 4299 | | | | | | | | | | | |
| 105 | Conduction disorders | | | | | | | | | | | | |
| | V450 | V4500 | V4501 | V4502 | V4509 | V533 | V5331 | V5332 | V5339 | 4260 | 42610 | 42611 | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-16

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 42612 | 42613 | 4262 | 4263 | 4264 | 42650 | 42651 | 42652 | 42653 | 42654 | 4266 | 4267 | |
| | 42681 | 42689 | 4269 | | | | | | | | | | |
| 106 | Cardiac dysrhythmias | | | | | | | | | | | | |
| | 4270 | 4271 | 4272 | 42731 | 42732 | 42760 | 42761 | 42769 | 42781 | 42789 | 4279 | 7850 | |
| 107 | Cardiac arrest and ventricular fibrillation | | | | | | | | | | | | |
| | 42741 | 42742 | 4275 | | | | | | | | | | |
| 108 | Congestive heart failure, nonhypertensive | | | | | | | | | | | | |
| | 39891 | 4280 | 4281 | 4289 | | | | | | | | | |
| 109 | Acute cerebrovascular disease | | | | | | | | | | | | |
| | 430 | 431 | 4320 | 4321 | 4329 | 43301 | 43311 | 43321 | 43331 | 43381 | 43391 | 4340 | |
| | 43400 | 43401 | 4341 | 43410 | 43411 | 4349 | 43490 | 43491 | 436 | | | | |
| 110 | Occlusion or stenosis of precerebral arteries | | | | | | | | | | | | |
| | 4330 | 43300 | 4331 | 43310 | 4332 | 43320 | 4333 | 43330 | 4338 | 43380 | 4339 | 43390 | |
| 111 | Other and ill-defined cerebrovascular disease | | | | | | | | | | | | |
| | 4370 | 4371 | 4373 | 4374 | 4375 | 4376 | 4377 | 4378 | 4379 | | | | |
| 112 | Transient cerebral ischemia | | | | | | | | | | | | |
| | 4350 | 4351 | 4352 | 4353 | 4358 | 4359 | | | | | | | |
| 113 | Late effects of cerebrovascular disease | | | | | | | | | | | | |
| | 438 | 4380 | 43810 | 43811 | 43812 | 43819 | 43820 | 43821 | 43822 | 43830 | 43831 | 43832 | |
| | 43840 | 43841 | 43842 | 43850 | 43851 | 43852 | 43853 | 43881 | 43882 | 43889 | 4389 | | |
| 114 | Peripheral and visceral atherosclerosis | | | | | | | | | | | | |
| | 4400 | 4401 | 4402 | 44020 | 44021 | 44022 | 44023 | 44029 | 4408 | 4409 | 4439 | 5570 | |
| | 5571 | 5579 | | | | | | | | | | | |
| 115 | Aortic, peripheral, and visceral artery aneurysms | | | | | | | | | | | | |
| | 4410 | 44100 | 44101 | 44102 | 44103 | 4411 | 4412 | 4413 | 4414 | 4415 | 4416 | 4417 | |
| | 4419 | 4420 | 4421 | 4422 | 4423 | 44281 | 44282 | 44283 | 44284 | 44289 | 4429 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-17

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 116 | Aortic and peripheral arterial embolism or thrombosis | | | | | | | | | | | | |
| | 4440 | 4441 | 44421 | 44422 | 44481 | 44489 | 4449 | | | | | | |
| 117 | Other circulatory disease | | | | | | | | | | | | |
| | V125 | V1250 | V1259 | V151 | V421 | V432 | V434 | V717 | 4430 | 4431 | 44381 | 44389 | |
| | 4460 | 4461 | 4462 | 44620 | 44621 | 44629 | 4463 | 4464 | 4465 | 4466 | 4467 | 4470 | |
| | 4471 | 4472 | 4473 | 4474 | 4475 | 4476 | 4478 | 4479 | 4480 | 4481 | 4489 | 4580 | |
| | 4581 | 4588 | 4589 | 4590 | 45989 | 4599 | 7859 | 79430 | 79431 | 79439 | 7962 | | |
| 118 | Phlebitis, thrombophlebitis and thromboembolism | | | | | | | | | | | | |
| | V1251 | V1252 | 4510 | 45111 | 45119 | 4512 | 45181 | 45182 | 45183 | 45184 | 45189 | 4519 | |
| | 452 | 4530 | 4531 | 4532 | 4533 | 4538 | 4539 | | | | | | |
| 119 | Varicose veins of lower extremity | | | | | | | | | | | | |
| | 4540 | 4541 | 4542 | 4549 | | | | | | | | | |
| 120 | Hemorrhoids | | | | | | | | | | | | |
| | 4550 | 4551 | 4552 | 4553 | 4554 | 4555 | 4556 | 4557 | 4558 | 4559 | | | |
| 121 | Other diseases of veins and lymphatics | | | | | | | | | | | | |
| | 4563 | 4564 | 4565 | 4566 | 4568 | 4570 | 4571 | 4572 | 4578 | 4579 | 4591 | 4592 | |
| | 45981 | | | | | | | | | | | | |
| 122 | Pneumonia (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 00322 | 0203 | 0204 | 0205 | 0212 | 0221 | 0310 | 0391 | 0521 | 0551 | 0730 | 0830 | |
| | 1124 | 1140 | 1144 | 1145 | 11505 | 11515 | 11595 | 1304 | 1363 | 4800 | 4801 | 4802 | |
| | 4808 | 4809 | 481 | 4820 | 4821 | 4822 | 4823 | 48230 | 48231 | 48232 | 48239 | 4824 | |
| | 48240 | 48241 | 48249 | 4828 | 48281 | 48282 | 48283 | 48284 | 48289 | 4829 | 483 | 4830 | |
| | 4831 | 4838 | 4841 | 4843 | 4845 | 4846 | 4847 | 4848 | 485 | 486 | 5130 | 5171 | |
| 123 | Influenza | | | | | | | | | | | | |
| | 4870 | 4871 | 4878 | | | | | | | | | | |
| 124 | Acute and chronic tonsillitis | | | | | | | | | | | | |
| | 463 | 4740 | 47400 | 47401 | 47402 | 47410 | 47411 | 47412 | 4742 | 4748 | 4749 | 475 | |
| 125 | Acute bronchitis | | | | | | | | | | | | |
| | 4660 | 4661 | 46611 | 46619 | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-18

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 126 | Other upper respiratory infections | | | | | | | | | | | | |
| | 0320 | 0321 | 0322 | 0323 | 0340 | 460 | 4610 | 4611 | 4612 | 4613 | 4618 | 4619 | |
| | 462 | 4640 | 46410 | 46411 | 46420 | 46421 | 46430 | 46431 | 4644 | 4650 | 4658 | | 4659 |
| | 4730 | 4731 | 4732 | 4733 | 4738 | 4739 | | | | | | | |
| 127 | Chronic obstructive pulmonary disease and bronchiectasis | | | | | | | | | | | | |
| | 490 | 4910 | 4911 | 4912 | 49120 | 49121 | 4918 | 4919 | 4920 | 4928 | 494 | 496 | |
| 128 | Asthma | | | | | | | | | | | | |
| | 49300 | 49301 | 49310 | 49311 | 49320 | 49321 | 49390 | 49391 | | | | | |
| 129 | Aspiration pneumonitis, food/vomitus | | | | | | | | | | | | |
| | 5070 | | | | | | | | | | | | |
| 130 | Pleurisy, pneumothorax, pulmonary collapse | | | | | | | | | | | | |
| | 5100 | 5109 | 5110 | 5111 | 5118 | 5119 | 5120 | 5128 | 5180 | 5181 | 5182 | | |
| 131 | Respiratory failure, insufficiency, arrest (adult) | | | | | | | | | | | | |
| | V461 | 5185 | 51881 | 51882 | 51883 | 51884 | 7991 | | | | | | |
| 132 | Lung disease due to external agents | | | | | | | | | | | | |
| | 4950 | 4951 | 4952 | 4953 | 4954 | 4955 | 4956 | 4957 | 4958 | 4959 | 500 | 501 | |
| | 502 | 503 | 504 | 505 | 5060 | 5061 | 5062 | 5063 | 5064 | 5069 | 5071 | 5078 | |
| | 5080 | 5081 | 5088 | 5089 | | | | | | | | | |
| 133 | Other lower respiratory disease | | | | | | | | | | | | |
| | V126 | V426 | 5131 | 514 | 515 | 5160 | 5161 | 5162 | 5163 | 5168 | 5169 | 5172 | |
| | 5178 | 5183 | 5184 | 51889 | 5194 | 5198 | 5199 | 7825 | 78600 | 78601 | 78602 | 78603 | |
| | 78604 | 78605 | 78606 | 78607 | 78609 | 7862 | 7863 | 7864 | 78652 | 7866 | 7867 | 7868 | |
| | 7869 | 7931 | 7942 | | | | | | | | | | |
| 134 | Other upper respiratory disease | | | | | | | | | | | | |
| | V414 | V440 | V550 | 470 | 4710 | 4711 | 4718 | 4719 | 4720 | 4721 | 4722 | 4760 | |
| | 4761 | 4770 | 4778 | 4779 | 4780 | 4781 | 47820 | 47821 | 47822 | 47824 | 47825 | 47826 | |
| | 47829 | 47830 | 47831 | 47832 | 47833 | 47834 | 4784 | 4785 | 4786 | 47870 | 47871 | 47874 | |
| | 47875 | 47879 | 4788 | 4789 | 5191 | 5192 | 5193 | 7841 | 78440 | 78441 | 78449 | 7847 | |
| | 7848 | 7849 | 7861 | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-19

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 135 | Intestinal infection | | | | | | | | | | | | |
| | 0010 | 0011 | 0019 | 0020 | 0021 | 0022 | 0023 | 0029 | 0030 | 00320 | 00329 | 0038 | |
| | 0039 | 0040 | 0041 | 0042 | 0043 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | |
| | 0058 | 00581 | 00589 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0068 | |
| | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 | 0078 | 0079 | 0080 | 00800 | 00801 | 00802 | |
| | 00803 | 00804 | 00809 | 0081 | 0082 | 0083 | 00841 | 00842 | 00843 | 00844 | 00845 | 00846 | |
| | 00847 | 00849 | 0085 | 0086 | 00861 | 00862 | 00863 | 00864 | 00865 | 00866 | 00867 | 00869 | |
| | 0088 | 0090 | 0091 | 0092 | 0093 | 0211 | 0222 | | | | | | |
| 136 | Disorders of teeth and jaw | | | | | | | | | | | | |
| | V523 | V534 | V585 | V722 | 5200 | 5201 | 5202 | 5203 | 5204 | 5205 | 5206 | 5207 | |
| | 5208 | 5209 | 5210 | 5211 | 5212 | 5213 | 5214 | 5215 | 5216 | 5217 | 5218 | 5219 | |
| | 5220 | 5221 | 5222 | 5223 | 5224 | 5225 | 5226 | 5227 | 5228 | 5229 | 5230 | 5231 | |
| | 5232 | 5233 | 5234 | 5235 | 5236 | 5238 | 5239 | 5240 | 52400 | 52401 | 52402 | 52403 | |
| | 52404 | 52405 | 52406 | 52409 | 5241 | 52410 | 52411 | 52412 | 52419 | 5242 | 5243 | 5244 | |
| | 5245 | 5246 | 52460 | 52461 | 52462 | 52463 | 52469 | 52470 | 52471 | 52472 | 52473 | 52474 | |
| | 52479 | 5248 | 5249 | 5250 | 5251 | 5252 | 5253 | 5258 | 5259 | 5260 | 5261 | 5262 | |
| | 5263 | 5264 | 5265 | 52681 | 52689 | 5269 | | | | | | | |
| 137 | Diseases of mouth, excluding dental | | | | | | | | | | | | |
| | 5270 | 5271 | 5272 | 5273 | 5274 | 5275 | 5276 | 5277 | 5278 | 5279 | 5280 | 5281 | |
| | 5282 | 5283 | 5284 | 5285 | 5286 | 5287 | 5288 | 5289 | 5290 | 5291 | 5292 | 5293 | |
| | 5294 | 5295 | 5296 | 5298 | 5299 | 7924 | | | | | | | |
| 138 | Esophageal disorders | | | | | | | | | | | | |
| | 4561 | 45621 | 5300 | 5301 | 53010 | 53011 | 53019 | 5302 | 5303 | 5304 | 5305 | 5306 | |
| | 5308 | 53081 | 53083 | 53084 | 53089 | 5309 | | | | | | | |
| 139 | Gastroduodenal ulcer (except hemorrhage) | | | | | | | | | | | | |
| | V1271 | 53110 | 53111 | 53130 | 53131 | 53150 | 53151 | 53170 | 53171 | 53190 | 53191 | 53210 | |
| | 53211 | 53230 | 53231 | 53250 | 53251 | 53270 | 53271 | 53290 | 53291 | 53310 | 53311 | 53330 | |
| | 53331 | 53350 | 53351 | 53370 | 53371 | 53390 | 53391 | 53410 | 53411 | 53430 | 53431 | 53450 | |
| | 53451 | 53470 | 53471 | 53490 | 53491 | | | | | | | | |
| 140 | Gastritis and duodenitis | | | | | | | | | | | | |
| | 5350 | 53500 | 53501 | 5351 | 53510 | 53511 | 5352 | 53520 | 53521 | 5353 | 53530 | 53531 | |
| | 5354 | 53540 | 53541 | 5355 | 53550 | 53551 | 5356 | 53560 | 53561 | | | | |
| 141 | Other disorders of stomach and duodenum | | | | | | | | | | | | |
| | 5360 | 5361 | 5362 | 5363 | 5368 | 5369 | 5370 | 5371 | 5372 | 5373 | 5374 | 5375 | |
| | 5376 | 53781 | 53782 | 53783 | 53789 | 5379 | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-20

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 142 | Appendicitis and other appendiceal conditions | | | | | | | | | | | | |
| | 5400 | 5401 | 5409 | 541 | 542 | 5430 | 5439 | | | | | | |
| 143 | Abdominal hernia | | | | | | | | | | | | |
| | 55000 | 55001 | 55002 | 55003 | 55010 | 55011 | 55012 | 55013 | 55090 | 55091 | 55092 | 55093 | |
| | 55100 | 55101 | 55102 | 55103 | 5511 | 55120 | 55121 | 55129 | 5513 | 5518 | 5519 | 55200 | |
| | 55201 | 55202 | 55203 | 5521 | 55220 | 55221 | 55229 | 5523 | 5528 | 5529 | 55300 | 55301 | |
| | 55302 | 55303 | 5531 | 55320 | 55321 | 55329 | 5533 | 5538 | 5539 | | | | |
| 144 | Regional enteritis and ulcerative colitis | | | | | | | | | | | | |
| | 5550 | 5551 | 5552 | 5559 | 556 | 5560 | 5561 | 5562 | 5563 | 5564 | 5565 | 5566 | |
| | 5568 | 5569 | | | | | | | | | | | |
| 145 | Intestinal obstruction without hernia | | | | | | | | | | | | |
| | 5600 | 5601 | 5602 | 56030 | 56031 | 56039 | 56081 | 56089 | 5609 | | | | |
| 146 | Diverticulosis and diverticulitis | | | | | | | | | | | | |
| | 56200 | 56201 | 56202 | 56203 | 56210 | 56211 | 56212 | 56213 | | | | | |
| 147 | Anal and rectal conditions | | | | | | | | | | | | |
| | 5646 | 5650 | 5651 | 566 | | 5690 | 5691 | 5692 | 56941 | 56942 | 56949 | | |
| 148 | Peritonitis and intestinal abscess | | | | | | | | | | | | |
| | 03283 | 5670 | 5671 | 5672 | 5678 | 5679 | 5695 | | | | | | |
| 149 | Biliary tract disease | | | | | | | | | | | | |
| | 57400 | 57401 | 57410 | 57411 | 57420 | 57421 | 57430 | 57431 | 57440 | 57441 | 57450 | 57451 | |
| | 57460 | 57461 | 57470 | 57471 | 57480 | 57481 | 57490 | 57491 | 5750 | 5751 | 57510 | 57511 | |
| | 57512 | 5752 | 5753 | 5754 | 5755 | 5756 | 5758 | 5759 | 5760 | 5761 | 5762 | 5763 | |
| | 5764 | 5765 | 5768 | 5769 | 7933 | | | | | | | | |
| 150 | Liver disease, alcohol-related | | | | | | | | | | | | |
| | 5710 | 5711 | 5712 | 5713 | | | | | | | | | |
| 151 | Other liver diseases | | | | | | | | | | | | |
| | V427 | 570 | 5715 | 5716 | 5718 | 5719 | 5720 | 5721 | 5722 | 5723 | 5724 | 5728 | |
| | 5730 | 5734 | 5738 | 5739 | 7824 | 7891 | 7895 | 7904 | 7905 | 7948 | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-21

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 152 | Pancreatic disorders (not diabetes) | | | | | | | | | | | |
| | 5770 | 5771 | 5772 | 5778 | 5779 | 5794 | | | | | | |
| 153 | Gastrointestinal hemorrhage | | | | | | | | | | | |
| | 4560 | 45620 | 5307 | 53082 | 53100 | 53101 | 53120 | 53121 | 53140 | 53141 | 53160 | 53161 |
| | 53200 | 53201 | 53220 | 53221 | 53240 | 53241 | 53260 | 53261 | 53300 | 53301 | 53320 | 53321 |
| | 53340 | 53341 | 53360 | 53361 | 53400 | 53401 | 53420 | 53421 | 53440 | 53441 | 53460 | 53461 |
| | 5693 | 5780 | 5781 | 5789 | | | | | | | | |
| 154 | Noninfectious gastroenteritis | | | | | | | | | | | |
| | 5589 | | | | | | | | | | | |
| 155 | Other gastrointestinal disorders | | | | | | | | | | | |
| | V127 | V1270 | V1279 | V416 | V441 | V442 | V443 | V444 | V453 | V473 | V535 | V551 |
| | V552 | V553 | V554 | 5581 | 5582 | 5640 | 5641 | 5645 | 5647 | 5648 | 56481 | 56489 |
| | 5649 | 5680 | 56881 | 56882 | 56889 | 5689 | 56981 | 56982 | 56983 | 56984 | 56985 | 56989 |
| | 5699 | 5790 | 5791 | 5792 | 5798 | 5799 | 7871 | 7872 | 7873 | 7874 | 7875 | 7876 |
| | 7877 | 7879 | 78791 | 78799 | 7892 | 7893 | 78930 | 78931 | 78932 | 78933 | 78934 | 78935 |
| | 78936 | 78937 | 78939 | 7894 | 78940 | 78941 | 78942 | 78943 | 78944 | 78945 | 78946 | 78947 |
| | 78949 | 7899 | 7921 | 7934 | 7936 | | | | | | | |
| 156 | Nephritis, nephrosis, renal sclerosis | | | | | | | | | | | |
| | 5800 | 5804 | 58081 | 58089 | 5809 | 5810 | 5811 | 5812 | 5813 | 58181 | 58189 | 5819 |
| | 5820 | 5821 | 5822 | 5824 | 58281 | 58289 | 5829 | 5830 | 5831 | 5832 | 5834 | 5836 |
| | 5837 | 58381 | 58389 | 5839 | 587 | | | | | | | |
| 157 | Acute and unspecified renal failure | | | | | | | | | | | |
| | 5845 | 5846 | 5847 | 5848 | 5849 | 586 | | | | | | |
| 158 | Chronic renal failure | | | | | | | | | | | |
| | V420 | V451 | V560 | V561 | V562 | V568 | 585 | | | | | |
| 159 | Urinary tract infections | | | | | | | | | | | |
| | 03284 | 59000 | 59001 | 59010 | 59011 | 5902 | 5903 | 59080 | 59081 | 5909 | 5950 | 5951 |
| | 5952 | 5953 | 5954 | 59581 | 59582 | 59589 | 5959 | 5970 | 59780 | 59781 | 59789 | 59800 |
| | 59801 | 5990 | | | | | | | | | | |
| 160 | Calculus of urinary tract | | | | | | | | | | | |
| | V1301 | 5920 | 5921 | 5929 | 5940 | 5941 | 5942 | 5948 | 5949 | 7880 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-22

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 161 | Other diseases of kidney and ureters | | | | | | | | | | | | | |
| | 5880 | 5881 | 5888 | 5889 | 5890 | 5891 | 5899 | 591 | 5930 | 5931 | 5932 | 5933 | | |
| | 5934 | 5935 | 5936 | 5937 | 59370 | 59371 | 59372 | 59373 | 59381 | 59382 | 59389 | 5939 | | |
| 162 | Other diseases of bladder and urethra | | | | | | | | | | | | | |
| | 5960 | 5961 | 5962 | 5963 | 5964 | 5965 | 59651 | 59652 | 59653 | 59654 | 59655 | 59659 | | |
| | 5966 | 5967 | 5968 | 5969 | 5981 | 5982 | 5988 | 5989 | 5991 | 5992 | 5993 | 5994 | | |
| | 5995 | 59981 | 59982 | 59983 | 59984 | | | | | | | | | |
| 163 | Genitourinary symptoms and ill-defined conditions | | | | | | | | | | | | | |
| | V130 | V1300 | V1309 | V417 | V435 | V445 | V4450 | V4451 | V4452 | V4459 | V446 | V474 | | |
| | V475 | V536 | V555 | V556 | 5996 | 5997 | 5998 | 59989 | 5999 | 7881 | 7882 | 78820 | | |
| | 78821 | 78829 | 7883 | 78830 | 78831 | 78832 | 78833 | 78834 | 78835 | 78836 | 78837 | 78839 | | |
| | 7884 | 78841 | 78842 | 78843 | 7885 | 7886 | 78861 | 78862 | 78869 | 7887 | 7888 | 7889 | | |
| | 7910 | 7911 | 7912 | 7913 | 7914 | 7917 | 7919 | 7935 | 7944 | | | | | |
| 164 | Hyperplasia of prostate | | | | | | | | | | | | | |
| | 600 | | | | | | | | | | | | | |
| 165 | Inflammatory conditions of male genital organs | | | | | | | | | | | | | |
| | 6010 | 6011 | 6012 | 6013 | 6014 | 6018 | 6019 | 6031 | 6040 | 60490 | 60491 | 60499 | | |
| | 6071 | 6072 | 6080 | 6084 | | | | | | | | | | |
| 166 | Other male genital disorders | | | | | | | | | | | | | |
| | 6020 | 6021 | 6022 | 6028 | 6029 | 6030 | 6038 | 6039 | 605 | 6060 | 6061 | 6068 | | |
| | 6069 | 6070 | 6073 | 60781 | 60782 | 60783 | 60784 | 60789 | 6079 | 6081 | 6082 | 6083 | | |
| | 60881 | 60883 | 60884 | 60885 | 60886 | 60889 | 6089 | 7922 | | | | | | |
| 167 | Nonmalignant breast conditions | | | | | | | | | | | | | |
| | 6100 | 6101 | 6102 | 6103 | 6104 | 6108 | 6109 | 6110 | 6111 | 6112 | 6113 | 6114 | | |
| | 6115 | 6116 | 61171 | 61172 | 61179 | 6118 | 6119 | | | | | | | |
| 168 | Inflammatory diseases of female pelvic organs | | | | | | | | | | | | | |
| | 6140 | 6141 | 6142 | 6143 | 6144 | 6145 | 6146 | 6147 | 6148 | 6149 | 6150 | 6151 | | |
| | 6159 | 6160 | 61610 | 61611 | 6162 | 6163 | 6164 | 61650 | 61651 | 6168 | 6169 | | | |
| 169 | Endometriosis | | | | | | | | | | | | | |
| | 6170 | 6171 | 6172 | 6173 | 6174 | 6175 | 6176 | 6178 | 6179 | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-23

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 170 | Prolapse of female genital organs | | | | | | | | | | | |
| | 6180 | 6181 | 6182 | 6183 | 6184 | 6185 | 6186 | 6187 | 6188 | 6189 | | |
| 171 | Menstrual disorders | | | | | | | | | | | |
| | 6253 | 6260 | 6261 | 6262 | 6263 | 6264 | 6265 | 6266 | 6268 | 6269 | | |
| 172 | Ovarian cyst | | | | | | | | | | | |
| | 6200 | 6201 | 6202 | | | | | | | | | |
| 173 | Menopausal disorders | | | | | | | | | | | |
| | V074 | 6270 | 6271 | 6272 | 6273 | 6274 | 6278 | 6279 | | | | |
| 174 | Female infertility | | | | | | | | | | | |
| | 6280 | 6281 | 6282 | 6283 | 6284 | 6288 | 6289 | | | | | |
| 175 | Other female genital disorders | | | | | | | | | | | |
| | V132 | V557 | V723 | 6190 | 6191 | 6192 | 6198 | 6199 | 6203 | 6204 | 6205 | 6206 |
| | 6207 | 6208 | 6209 | 6210 | 6211 | 6212 | 6213 | 6214 | 6215 | 6216 | 6217 | 6218 |
| | 6219 | 6220 | 6221 | 6222 | 6223 | 6224 | 6225 | 6226 | 6227 | 6228 | 6229 | 6230 |
| | 6231 | 6232 | 6233 | 6234 | 6235 | 6236 | 6237 | 6238 | 6239 | 6240 | 6241 | 6242 |
| | 6243 | 6244 | 6245 | 6246 | 6248 | 6249 | 6250 | 6251 | 6252 | 6254 | 6255 | 6256 |
| | 6258 | 6259 | 6267 | 6290 | 6291 | 6298 | 6299 | | | | | |
| 176 | Contraceptive and procreative management | | | | | | | | | | | |
| | V157 | V2501 | V2502 | V2509 | V251 | V252 | V253 | V2540 | V2541 | V2542 | V2543 | V2549 |
| | V255 | V258 | V259 | V260 | V261 | V262 | V263 | V264 | V2651 | V2652 | V268 | V269 |
| | V455 | V4551 | V4552 | V4559 | | | | | | | | |
| 177 | Spontaneous abortion | | | | | | | | | | | |
| | 63400 | 63401 | 63402 | 63410 | 63411 | 63412 | 63420 | 63421 | 63422 | 63430 | 63431 | 63432 |
| | 63440 | 63441 | 63442 | 63450 | 63451 | 63452 | 63460 | 63461 | 63462 | 63470 | 63471 | 63472 |
| | 63480 | 63481 | 63482 | 63490 | 63491 | 63492 | | | | | | |
| 178 | Induced abortion | | | | | | | | | | | |
| | 63500 | 63501 | 63502 | 63510 | 63511 | 63512 | 63520 | 63521 | 63522 | 63530 | 63531 | 63532 |
| | 63540 | 63541 | 63542 | 63550 | 63551 | 63552 | 63560 | 63561 | 63562 | 63570 | 63571 | 63572 |
| | 63580 | 63581 | 63582 | 63590 | 63591 | 63592 | 63600 | 63601 | 63602 | 63610 | 63611 | 63612 |
| | 63620 | 63621 | 63622 | 63630 | 63631 | 63632 | 63640 | 63641 | 63642 | 63650 | 63651 | 63652 |
| | 63660 | 63661 | 63662 | 63670 | 63671 | 63672 | 63680 | 63681 | 63682 | 63690 | 63691 | 63692 |
| | 63700 | 63701 | 63702 | 63710 | 63711 | 63712 | 63720 | 63721 | 63722 | 63730 | 63731 | 63732 |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 63740 | 63741 | 63742 | 63750 | 63751 | 63752 | 63760 | 63761 | 63762 | 63770 | 63771 | 63772 | | |
| 63780 | 63781 | 63782 | 63790 | 63791 | 63792 | 6380 | 6381 | 6382 | 6383 | 6384 | 6385 | | |
| 6386 | 6387 | 6388 | 6389 | | | | | | | | | | |
| 179 | Postabortion complications | | | | | | | | | | | | |
| | 6390 | 6391 | 6392 | 6393 | 6394 | 6395 | 6396 | 6398 | 6399 | | | | |
| 180 | Ectopic pregnancy | | | | | | | | | | | | |
| | 6330 | 6331 | 6332 | 6338 | 6339 | | | | | | | | |
| 181 | Other complications of pregnancy | | | | | | | | | | | | |
| | 630 | 631 | 632 | 64300 | 64301 | 64303 | 64310 | 64311 | 64313 | 64320 | 64321 | 64323 | |
| | 64380 | 64381 | 64383 | 64390 | 64391 | 64393 | 64600 | 64601 | 64603 | 64610 | 64611 | 64612 | |
| | 64613 | 64614 | 64620 | 64621 | 64622 | 64623 | 64624 | 64630 | 64631 | 64633 | 64640 | 64641 | |
| | 64642 | 64643 | 64644 | 64650 | 64651 | 64652 | 64653 | 64654 | 64660 | 64661 | 64662 | 64663 | |
| | 64664 | 64670 | 64671 | 64673 | 64680 | 64681 | 64682 | 64683 | 64684 | 64690 | 64691 | 64693 | |
| | 64700 | 64701 | 64702 | 64703 | 64704 | 64710 | 64711 | 64712 | 64713 | 64714 | 64720 | 64721 | |
| | 64722 | 64723 | 64724 | 64730 | 64731 | 64732 | 64733 | 64734 | 64740 | 64741 | 64742 | 64743 | |
| | 64744 | 64750 | 64751 | 64752 | 64753 | 64754 | 64760 | 64761 | 64762 | 64763 | 64764 | 64780 | |
| | 64781 | 64782 | 64783 | 64784 | 64790 | 64791 | 64792 | 64793 | 64794 | 64810 | 64811 | 64812 | |
| | 64813 | 64814 | 64820 | 64821 | 64822 | 64823 | 64824 | 64830 | 64831 | 64832 | 64833 | 64834 | |
| | 64840 | 64841 | 64842 | 64843 | 64844 | 64850 | 64851 | 64852 | 64853 | 64854 | 64860 | 64861 | |
| | 64862 | 64863 | 64864 | 64870 | 64871 | 64872 | 64873 | 64874 | 64890 | 64891 | 64892 | 64893 | |
| | 64894 | | | | | | | | | | | | |
| 182 | Hemorrhage during pregnancy, abruptio placenta, placenta previa | | | | | | | | | | | | |
| | 64000 | 64001 | 64003 | 64080 | 64081 | 64083 | 64090 | 64091 | 64093 | 64100 | 64101 | 64103 | |
| | 64110 | 64111 | 64113 | 64120 | 64121 | 64123 | 64130 | 64131 | 64133 | 64180 | 64181 | 64183 | |
| | 64190 | 64191 | 64193 | | | | | | | | | | |
| 183 | Hypertension complicating pregnancy, childbirth and the puerperium | | | | | | | | | | | | |
| | 64200 | 64201 | 64202 | 64203 | 64204 | 64210 | 64211 | 64212 | 64213 | 64214 | 64220 | 64221 | |
| | 64222 | 64223 | 64224 | 64230 | 64231 | 64232 | 64233 | 64234 | 64240 | 64241 | 64242 | 64243 | |
| | 64244 | 64250 | 64251 | 64252 | 64253 | 64254 | 64260 | 64261 | 64262 | 64263 | 64264 | 64270 | |
| | 64271 | 64272 | 64273 | 64274 | 64290 | 64291 | 64292 | 64293 | 64294 | | | | |
| 184 | Early or threatened labor | | | | | | | | | | | | |
| | 64400 | 64403 | 64410 | 64413 | 64420 | 64421 | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 185 | Prolonged pregnancy | | | | | | | | | | | | | |
| | 64500 64501 64503 | | | | | | | | | | | | | |
| 186 | Diabetes or abnormal glucose tolerance complicating pregnancy, childbirth, or the puerperium | | | | | | | | | | | | | |
| | 64800 64801 64802 64803 64804 64880 64881 64882 64883 64884 | | | | | | | | | | | | | |
| 187 | Malposition, malpresentation | | | | | | | | | | | | | |
| | 65200 65201 65203 65210 65211 65213 65220 65221 65223 65230 65231 65233 65240 65241 65243 65250 65251 65253 65260 65261 65263 65270 65271 65273 65280 65281 65283 65290 65291 65293 66000 66001 66003 | | | | | | | | | | | | | |
| 188 | Fetopelvic disproportion, obstruction | | | | | | | | | | | | | |
| | 65300 65301 65303 65310 65311 65313 65320 65321 65323 65330 65331 65333 65340 65341 65343 65350 65351 65353 65360 65361 65363 65370 65371 65373 65380 65381 65383 65390 65391 65393 66010 66011 66013 66020 66021 66023 66030 66031 66033 66040 66041 66043 66050 66051 66053 66060 66061 66063 66070 66071 66073 66080 66081 66083 66090 66091 66093 | | | | | | | | | | | | | |
| 189 | Previous C-section | | | | | | | | | | | | | |
| | 65420 65421 65423 | | | | | | | | | | | | | |
| 190 | Fetal distress and abnormal forces of labor | | | | | | | | | | | | | |
| | 65630 65631 65633 66100 66101 66103 66110 66111 66113 66120 66121 66123 66130 66131 66133 66140 66141 66143 66190 66191 66193 66200 66201 66203 66210 66211 66213 66220 66221 66223 66230 66231 66233 | | | | | | | | | | | | | |
| 191 | Polyhydramnios and other problems of amniotic cavity | | | | | | | | | | | | | |
| | 65700 65701 65703 65800 65801 65803 65810 65811 65813 65820 65821 65823 65830 65831 65833 65840 65841 65843 65880 65881 65883 65890 65891 65893 7923 | | | | | | | | | | | | | |
| 192 | Umbilical cord complication | | | | | | | | | | | | | |
| | 66300 66301 66303 66310 66311 66313 66320 66321 66323 66330 66331 66333 66340 66341 66343 66350 66351 66353 66360 66361 66363 66380 66381 66383 66390 66391 66393 | | | | | | | | | | | | | |
| 193 | Trauma to perineum and vulva | | | | | | | | | | | | | |
| | 66400 66401 66404 66410 66411 66414 66420 66421 66424 66430 66431 66434 66440 66441 66444 66450 66451 66454 66480 66481 66484 66490 66491 66494 | | | | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 194 | Forceps delivery | | | | | | | | | | | | |
| | 66950 66951 | | | | | | | | | | | | |
| 195 | Other complications of birth, puerperium affecting management of mother | | | | | | | | | | | | |
| | V230 | V231 | V232 | V233 | V234 | V235 | V237 | V238 | V2381 | V2382 | V2383 | V2384 | |
| | V2389 | V239 | 65103 | 65113 | 65123 | 65130 | 65131 | 65133 | 65140 | 65141 | 65143 | 65150 | |
| | 65151 | 65153 | 65160 | 65161 | 65163 | 65183 | 65193 | 65400 | 65401 | 65402 | 65403 | 65404 | |
| | 65410 | 65411 | 65412 | 65413 | 65414 | 65430 | 65431 | 65432 | 65433 | 65434 | 65440 | 65441 | |
| | 65442 | 65443 | 65444 | 65450 | 65451 | 65452 | 65453 | 65454 | 65460 | 65461 | 65462 | 65463 | |
| | 65464 | 65470 | 65471 | 65472 | 65473 | 65474 | 65480 | 65481 | 65482 | 65483 | 65484 | 65490 | |
| | 65491 | 65492 | 65493 | 65494 | 65500 | 65501 | 65503 | 65510 | 65511 | 65513 | 65520 | 65521 | |
| | 65523 | 65530 | 65531 | 65533 | 65540 | 65541 | 65543 | 65550 | 65551 | 65553 | 65560 | 65561 | |
| | 65563 | 65570 | 65571 | 65573 | 65580 | 65581 | 65583 | 65590 | 65591 | 65593 | 65600 | 65601 | |
| | 65603 | 65610 | 65611 | 65613 | 65620 | 65621 | 65623 | 65640 | 65641 | 65643 | 65650 | 65651 | |
| | 65653 | 65660 | 65661 | 65663 | 65670 | 65671 | 65673 | 65680 | 65681 | 65683 | 65690 | 65691 | |
| | 65693 | 65900 | 65901 | 65903 | 65910 | 65911 | 65913 | 65920 | 65921 | 65923 | 65930 | 65931 | |
| | 65933 | 65940 | 65941 | 65943 | 65950 | 65951 | 65953 | 65960 | 65961 | 65963 | 65970 | 65971 | |
| | 65973 | 65980 | 65981 | 65983 | 65990 | 65991 | 65993 | 66500 | 66501 | 66503 | 66510 | 66511 | |
| | 66512 | 66514 | 66520 | 66522 | 66524 | 66530 | 66531 | 66534 | 66540 | 66541 | 66544 | 66550 | |
| | 66551 | 66554 | 66560 | 66561 | 66564 | 66570 | 66571 | 66572 | 66574 | 66580 | 66581 | 66582 | |
| | 66583 | 66584 | 66590 | 66591 | 66592 | 66593 | 66594 | 66600 | 66602 | 66604 | 66610 | 66612 | |
| | 66614 | 66620 | 66622 | 66624 | 66630 | 66632 | 66634 | 66700 | 66702 | 66704 | 66710 | 66712 | |
| | 66714 | 66800 | 66801 | 66802 | 66803 | 66804 | 66810 | 66811 | 66812 | 66813 | 66814 | 66820 | |
| | 66821 | 66822 | 66823 | 66824 | 66880 | 66881 | 66882 | 66883 | 66884 | 66890 | 66891 | 66892 | |
| | 66893 | 66894 | 66900 | 66901 | 66902 | 66903 | 66904 | 66910 | 66911 | 66912 | 66913 | 66914 | |
| | 66920 | 66921 | 66922 | 66923 | 66924 | 66930 | 66932 | 66934 | 66940 | 66941 | 66942 | 66943 | |
| | 66944 | 66960 | 66961 | 66970 | 66971 | 66980 | 66981 | 66982 | 66983 | 66984 | 66990 | 66991 | |
| | 66992 | 66993 | 66994 | 67000 | 67002 | 67004 | 67100 | 67101 | 67102 | 67103 | 67104 | 67110 | |
| | 67111 | 67112 | 67113 | 67114 | 67120 | 67121 | 67122 | 67123 | 67124 | 67130 | 67131 | 67133 | |
| | 67140 | 67142 | 67144 | 67150 | 67151 | 67152 | 67153 | 67154 | 67180 | 67181 | 67182 | 67183 | |
| | 67184 | 67190 | 67191 | 67192 | 67193 | 67194 | 67200 | 67202 | 67204 | 67300 | 67301 | 67302 | |
| | 67303 | 67304 | 67310 | 67311 | 67312 | 67313 | 67314 | 67320 | 67321 | 67322 | 67323 | 67324 | |
| | 67330 | 67331 | 67332 | 67333 | 67334 | 67380 | 67381 | 67382 | 67383 | 67384 | 67400 | 67401 | |
| | 67402 | 67403 | 67404 | 67410 | 67412 | 67414 | 67420 | 67422 | 67424 | 67430 | 67432 | 67434 | |
| | 67440 | 67442 | 67444 | 67480 | 67482 | 67484 | 67490 | 67492 | 67494 | 67500 | 67501 | 67502 | |
| | 67503 | 67504 | 67510 | 67511 | 67512 | 67513 | 67514 | 67520 | 67521 | 67522 | 67523 | 67524 | |
| | 67580 | 67581 | 67582 | 67583 | 67584 | 67590 | 67591 | 67592 | 67593 | 67594 | 67600 | 67601 | |
| | 67602 | 67603 | 67604 | 67610 | 67611 | 67612 | 67613 | 67614 | 67620 | 67621 | 67622 | 67623 | |
| | 67624 | 67630 | 67631 | 67632 | 67633 | 67634 | 67640 | 67641 | 67642 | 67643 | 67644 | 67650 | |
| | 67651 | 67652 | 67653 | 67654 | 67660 | 67661 | 67662 | 67663 | 67664 | 67680 | 67681 | 67682 | |
| | 67683 | 67684 | 67690 | 67691 | 67692 | 67693 | 67694 | 677 | | | | | |
| 196 | Normal pregnancy and/or delivery | | | | | | | | | | | | |
| | V220 | V221 | V222 | V240 | V241 | V242 | V270 | V271 | V272 | V273 | V274 | V275 | |
| | V276 | V277 | V279 | V724 | 650 | 65100 | 65101 | 65110 | 65111 | 65120 | 65121 | 65180 | |
| | 65181 | 65190 | 65191 | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 197 | Skin and subcutaneous tissue infections | | | | | | | | | | | | |
| | 0201 | 0210 | 0220 | 0311 | 03285 | 035 | 0390 | 6800 | 6801 | 6802 | 6803 | 6804 | |
| | 6805 | 6806 | 6807 | 6808 | 6809 | 68100 | 68101 | 68102 | 68110 | 68111 | 6819 | 6820 | |
| | 6821 | 6822 | 6823 | 6824 | 6825 | 6826 | 6827 | 6828 | 6829 | 684 | 6850 | 6851 | |
| | 6860 | 68600 | 68601 | 68609 | 6861 | 6868 | 6869 | | | | | | |
| 198 | Other inflammatory condition of skin | | | | | | | | | | | | |
| | 690 | 69010 | 69011 | 69012 | 69018 | 6908 | 6940 | 6941 | 6942 | 6943 | 6944 | 6945 | |
| | 69460 | 69461 | 6948 | 6949 | 6950 | 6951 | 6952 | 6953 | 6954 | 69581 | 69589 | 6959 | |
| | 6960 | 6961 | 6962 | 6963 | 6964 | 6965 | 6968 | 6970 | 6971 | 6978 | 6979 | 6980 | |
| | 6981 | 6982 | 6983 | 6984 | 6988 | 6989 | | | | | | | |
| 199 | Chronic ulcer of skin | | | | | | | | | | | | |
| | 7070 | 7071 | 7078 | 7079 | | | | | | | | | |
| 200 | Other skin disorders | | | | | | | | | | | | |
| | V133 | V423 | 700 | 7010 | 7011 | 7012 | 7013 | 7014 | 7015 | 7018 | 7019 | 702 | |
| | 7020 | 7021 | 70211 | 70219 | 7028 | 7030 | 7038 | 7039 | 70400 | 70401 | 70402 | 70409 | |
| | 7041 | 7042 | 7043 | 7048 | 7049 | 7050 | 7051 | 70581 | 70582 | 70583 | 70589 | 7059 | |
| | 7060 | 7061 | 7062 | 7063 | 7068 | 7069 | 7090 | 70900 | 70901 | 70909 | 7091 | 7092 | |
| | 7093 | 7094 | 7098 | 7099 | 7808 | 7821 | 7822 | | | | | | |
| 201 | Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease) | | | | | | | | | | | | |
| | 00323 | 00324 | 0261 | 03682 | 05671 | 71100 | 71101 | 71102 | 71103 | 71104 | 71105 | 71106 | |
| | 71107 | 71108 | 71109 | 71110 | 71111 | 71112 | 71113 | 71114 | 71115 | 71116 | 71117 | 71118 | |
| | 71119 | 71120 | 71121 | 71122 | 71123 | 71124 | 71125 | 71126 | 71127 | 71128 | 71129 | 71130 | |
| | 71131 | 71132 | 71133 | 71134 | 71135 | 71136 | 71137 | 71138 | 71139 | 71140 | 71141 | 71142 | |
| | 71143 | 71144 | 71145 | 71146 | 71147 | 71148 | 71149 | 71150 | 71151 | 71152 | 71153 | 71154 | |
| | 71155 | 71156 | 71157 | 71158 | 71159 | 71160 | 71161 | 71162 | 71163 | 71164 | 71165 | 71166 | |
| | 71167 | 71168 | 71169 | 71170 | 71171 | 71172 | 71173 | 71174 | 71175 | 71176 | 71177 | 71178 | |
| | 71179 | 71180 | 71181 | 71182 | 71183 | 71184 | 71185 | 71186 | 71187 | 71188 | 71189 | 71190 | |
| | 71191 | 71192 | 71193 | 71194 | 71195 | 71196 | 71197 | 71198 | 71199 | 73000 | 73001 | 73002 | |
| | 73003 | 73004 | 73005 | 73006 | 73007 | 73008 | 73009 | 73010 | 73011 | 73012 | 73013 | 73014 | |
| | 73015 | 73016 | 73017 | 73018 | 73019 | 73020 | 73021 | 73022 | 73023 | 73024 | 73025 | 73026 | |
| | 73027 | 73028 | 73029 | 73030 | 73031 | 73032 | 73033 | 73034 | 73035 | 73036 | 73037 | 73038 | |
| | 73039 | 73070 | 73071 | 73072 | 73073 | 73074 | 73075 | 73076 | 73077 | 73078 | 73079 | 73080 | |
| | 73081 | 73082 | 73083 | 73084 | 73085 | 73086 | 73087 | 73088 | 73089 | 73090 | 73091 | 73092 | |
| | 73093 | 73094 | 73095 | 73096 | 73097 | 73098 | 73099 | | | | | | |
| 202 | Rheumatoid arthritis and related disease | | | | | | | | | | | | |
| | 7140 | 7141 | 7142 | 71430 | 71431 | 71432 | 71433 | 7144 | 71481 | 71489 | 7149 | 7200 | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-28

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 203 | Osteoarthritis | | | | | | | | | | | | | |
| | V134 | 71500 | 71504 | 71509 | 71510 | 71511 | 71512 | 71513 | 71514 | 71515 | 71516 | 71517 | | |
| | 71518 | 71520 | 71521 | 71522 | 71523 | 71524 | 71525 | 71526 | 71527 | 71528 | 71530 | 71531 | | |
| | 71532 | 71533 | 71534 | 71535 | 71536 | 71537 | 71538 | 71580 | 71589 | 71590 | 71591 | 71592 | | |
| | 71593 | 71594 | 71595 | 71596 | 71597 | 71598 | | | | | | | | |
| 204 | Other non-traumatic joint disorders | | | | | | | | | | | | | |
| | 7130 | 7131 | 7132 | 7133 | 7134 | 7135 | 7136 | 7137 | 7138 | 71600 | 71601 | 71602 | | |
| | 71603 | 71604 | 71605 | 71606 | 71607 | 71608 | 71609 | 71620 | 71621 | 71622 | 71623 | 71624 | | |
| | 71625 | 71626 | 71627 | 71628 | 71629 | 71630 | 71631 | 71632 | 71633 | 71634 | 71635 | 71636 | | |
| | 71637 | 71638 | 71639 | 71640 | 71641 | 71642 | 71643 | 71644 | 71645 | 71646 | 71647 | 71648 | | |
| | 71649 | 71650 | 71651 | 71652 | 71653 | 71654 | 71655 | 71656 | 71657 | 71658 | 71659 | 71660 | | |
| | 71661 | 71662 | 71663 | 71664 | 71665 | 71666 | 71667 | 71668 | 71680 | 71681 | 71682 | 71683 | | |
| | 71684 | 71685 | 71686 | 71687 | 71688 | 71689 | 71690 | 71691 | 71692 | 71693 | 71694 | 71695 | | |
| | 71696 | 71697 | 71698 | 71699 | 71810 | 71811 | 71812 | 71813 | 71814 | 71815 | 71817 | 71818 | | |
| | 71819 | 71820 | 71821 | 71822 | 71823 | 71824 | 71825 | 71826 | 71827 | 71828 | 71829 | 71850 | | |
| | 71851 | 71852 | 71853 | 71854 | 71855 | 71856 | 71857 | 71858 | 71859 | 71860 | 71865 | 71880 | | |
| | 71881 | 71882 | 71883 | 71884 | 71885 | 71886 | 71887 | 71888 | 71889 | 71890 | 71891 | 71892 | | |
| | 71893 | 71894 | 71895 | 71897 | 71898 | 71899 | 71900 | 71901 | 71902 | 71903 | 71904 | 71905 | | |
| | 71906 | 71907 | 71908 | 71909 | 71910 | 71911 | 71912 | 71913 | 71914 | 71915 | 71916 | 71917 | | |
| | 71918 | 71919 | 71920 | 71921 | 71922 | 71923 | 71924 | 71925 | 71926 | 71927 | 71928 | 71929 | | |
| | 71930 | 71931 | 71932 | 71933 | 71934 | 71935 | 71936 | 71937 | 71938 | 71939 | 71940 | 71941 | | |
| | 71942 | 71943 | 71944 | 71945 | 71946 | 71947 | 71948 | 71949 | 71950 | 71951 | 71952 | 71953 | | |
| | 71954 | 71955 | 71956 | 71957 | 71958 | 71959 | 71960 | 71961 | 71962 | 71963 | 71964 | 71965 | | |
| | 71966 | 71967 | 71968 | 71969 | 71970 | 71975 | 71976 | 71977 | 71978 | 71979 | 71980 | 71981 | | |
| | 71982 | 71983 | 71984 | 71985 | 71986 | 71987 | 71988 | 71989 | 71990 | 71991 | 71992 | 71993 | | |
| 205 | Spondylosis, intervertebral disc disorders, other back problems | | | | | | | | | | | | | |
| | 7201 | 7202 | 72081 | 72089 | 7209 | 7210 | 7211 | 7212 | 7213 | 72141 | 72142 | 7215 | | |
| | 7216 | 7217 | 7218 | 72190 | 72191 | 7220 | 72210 | 72211 | 7222 | 72230 | 72231 | 72232 | | |
| | 72239 | 7224 | 72251 | 72252 | 7226 | 72270 | 72271 | 72272 | 72273 | 72280 | 72281 | 72282 | | |
| | 72283 | 72290 | 72291 | 72292 | 72293 | 7230 | 7231 | 7232 | 7233 | 7234 | 7235 | 7236 | | |
| | 7237 | 7238 | 7239 | 72400 | 72401 | 72402 | 72409 | 7241 | 7242 | 7243 | 7244 | 7245 | | |
| | 7246 | 72470 | 72471 | 72479 | 7248 | 7249 | | | | | | | | |
| 206 | Osteoporosis | | | | | | | | | | | | | |
| | 73300 | 73301 | 73302 | 73303 | 73309 | | | | | | | | | |
| 207 | Pathological fracture | | | | | | | | | | | | | |
| | 7331 | 73310 | 73311 | 73312 | 73313 | 73314 | 73315 | 73316 | 73319 | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-29

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 208 | Acquired foot deformities | | | | | | | | | | | | | |
| | 7271 | 734 | 7350 | 7351 | 7352 | 7353 | 7354 | 7355 | 7358 | 7359 | 73670 | 73671 | | |
| | 73672 | 73673 | 73674 | 73675 | 73676 | 73679 | | | | | | | | |
| 209 | Other acquired deformities | | | | | | | | | | | | | |
| | 71840 | 71841 | 71842 | 71843 | 71844 | 71845 | 71846 | 71847 | 71848 | 71849 | 73600 | 73601 | | |
| | 73602 | 73603 | 73604 | 73605 | 73606 | 73607 | 73609 | 7361 | 73620 | 73621 | 73622 | 73629 | | |
| | 73630 | 73631 | 73632 | 73639 | 73641 | 73642 | 7365 | 7366 | 73681 | 73689 | 7369 | 7370 | | |
| | 73710 | 73711 | 73712 | 73719 | 73720 | 73721 | 73722 | 73729 | 73733 | 73734 | 73739 | 73740 | | |
| | 73741 | 73742 | 73743 | 7378 | 7379 | 7380 | 7381 | 73810 | 73811 | 73812 | 73819 | 7382 | | |
| | 7383 | 7384 | 7385 | 7386 | 7387 | 7388 | 7389 | | | | | | | |
| 210 | Systemic lupus erythematosus and connective tissue disorders | | | | | | | | | | | | | |
| | 7100 | 7101 | 7102 | 7103 | 7104 | 7108 | 7109 | | | | | | | |
| 211 | Other connective tissue disease | | | | | | | | | | | | | |
| | V135 | V436 | V4360 | V4361 | V4362 | V4363 | V4364 | V4365 | V4366 | V4369 | V437 | V454 | | |
| | V481 | V482 | V483 | V490 | V491 | V492 | V495 | V4960 | V4961 | V4962 | V4963 | V4964 | | |
| | V4965 | V4966 | V4967 | V4970 | V4971 | V4972 | V4973 | V4974 | V4975 | V4976 | V4977 | V537 | | |
| | 7105 | 725 | 7260 | 72610 | 72611 | 72612 | 72619 | 7262 | 72630 | 72631 | 72632 | 72633 | | |
| | 72639 | 7264 | 7265 | 72660 | 72661 | 72662 | 72663 | 72664 | 72665 | 72669 | 72670 | 72671 | | |
| | 72672 | 72673 | 72679 | 7268 | 72690 | 72691 | 72700 | 72701 | 72702 | 72703 | 72704 | 72705 | | |
| | 72706 | 72709 | 7272 | 7273 | 72740 | 72741 | 72742 | 72743 | 72749 | 72750 | 72751 | 72759 | | |
| | 72760 | 72761 | 72762 | 72763 | 72764 | 72765 | 72766 | 72767 | 72768 | 72769 | 72781 | 72782 | | |
| | 72789 | 7279 | 7280 | 72810 | 72811 | 72812 | 72813 | 72819 | 7282 | 7283 | 7284 | 7285 | | |
| | 7286 | 72871 | 72879 | 72881 | 72882 | 72883 | 72884 | 72885 | 72886 | 72889 | 7289 | 7290 | | |
| | 7291 | 7292 | 72930 | 72931 | 72939 | 7294 | 7295 | 7296 | 72981 | 72982 | 72989 | 7299 | | |
| | 7819 | 7937 | | | | | | | | | | | | |
| 212 | Other bone disease and musculoskeletal deformities | | | | | | | | | | | | | |
| | V424 | V486 | V487 | V494 | 7310 | 7311 | 7312 | 7318 | 7320 | 7321 | 7322 | 7323 | | |
| | 7324 | 7325 | 7326 | 7327 | 7328 | 7329 | 73320 | 73321 | 73322 | 73329 | 7333 | 73340 | | |
| | 73341 | 73342 | 73343 | 73344 | 73349 | 7335 | 7336 | 7337 | 73381 | 73382 | 73390 | 73391 | | |
| | 73392 | 73399 | 73730 | 73731 | 73732 | 7390 | 7391 | 7392 | 7393 | 7394 | 7395 | 7396 | | |
| | 7397 | 7398 | 7399 | | | | | | | | | | | |
| 213 | Cardiac and circulatory congenital anomalies | | | | | | | | | | | | | |
| | 7450 | 74510 | 74511 | 74512 | 74519 | 7452 | 7453 | 7454 | 7455 | 74560 | 74561 | 74569 | | |
| | 7457 | 7458 | 7459 | 74600 | 74601 | 74602 | 74609 | 7461 | 7462 | 7463 | 7464 | 7465 | | |
| | 7466 | 7467 | 74681 | 74682 | 74683 | 74684 | 74685 | 74686 | 74687 | 74689 | 7469 | 7470 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-30

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | 74710 | 74711 | 74720 | 74721 | 74722 | 74729 | 7473 | 74740 | 74741 | 74742 | 74749 | 7475 | | |
| | 7476 | 74760 | 74761 | 74762 | 74763 | 74764 | 74769 | 74781 | 74782 | 74789 | 7479 | | | |
| 214 | Digestive congenital anomalies | | | | | | | | | | | | | |
| | 7500 | 75010 | 75011 | 75012 | 75013 | 75015 | 75016 | 75019 | 75021 | 75022 | 75023 | 75024 | | |
| | 75025 | 75026 | 75027 | 75029 | 7503 | 7504 | 7505 | 7506 | 7507 | 7508 | 7509 | 7510 | | |
| | 7511 | 7512 | 7513 | 7514 | 7515 | 75160 | 75161 | 75162 | 75169 | 7517 | 7518 | 7519 | | |
| 215 | Genitourinary congenital anomalies | | | | | | | | | | | | | |
| | V1361 | 7520 | 75210 | 75211 | 75219 | 7522 | 7523 | 75240 | 75241 | 75242 | 75249 | 7525 | | |
| | 75251 | 75252 | 7526 | 75261 | 75262 | 75263 | 75264 | 75265 | 75269 | 7527 | 7528 | 7529 | | |
| | 7530 | 7531 | 75310 | 75311 | 75312 | 75313 | 75314 | 75315 | 75316 | 75317 | 75319 | 7532 | | |
| | 75320 | 75321 | 75322 | 75323 | 75329 | 7533 | 7534 | 7535 | 7536 | 7537 | 7538 | 7539 | | |
| 216 | Nervous system congenital anomalies | | | | | | | | | | | | | |
| | 7400 | 7401 | 7402 | 74100 | 74101 | 74102 | 74103 | 74190 | 74191 | 74192 | 74193 | 7420 | | |
| | 7421 | 7422 | 7423 | 7424 | 74251 | 74253 | 74259 | 7428 | 7429 | | | | | |
| 217 | Other congenital anomalies | | | | | | | | | | | | | |
| | V136 | V1369 | 74300 | 74303 | 74306 | 74310 | 74311 | 74312 | 74320 | 74321 | 74322 | 74330 | | |
| | 74331 | 74332 | 74333 | 74334 | 74335 | 74336 | 74337 | 74339 | 74341 | 74342 | 74343 | 74344 | | |
| | 74345 | 74346 | 74347 | 74348 | 74349 | 74351 | 74352 | 74353 | 74354 | 74355 | 74356 | 74357 | | |
| | 74358 | 74359 | 74361 | 74362 | 74363 | 74364 | 74365 | 74366 | 74369 | 7438 | 7439 | 74400 | | |
| | 74401 | 74402 | 74403 | 74404 | 74405 | 74409 | 7441 | 74421 | 74422 | 74423 | 74424 | 74429 | | |
| | 7443 | 74441 | 74442 | 74443 | 74446 | 74447 | 74449 | 7445 | 74481 | 74482 | 74483 | 74484 | | |
| | 74489 | 7449 | 7480 | 7481 | 7482 | 7483 | 7484 | 7485 | 74860 | 74861 | 74869 | 7488 | | |
| | 7489 | 74900 | 74901 | 74902 | 74903 | 74904 | 74910 | 74911 | 74912 | 74913 | 74914 | 74920 | | |
| | 74921 | 74922 | 74923 | 74924 | 74925 | 7540 | 7541 | 7542 | 75430 | 75431 | 75432 | 75433 | | |
| | 75435 | 75440 | 75441 | 75442 | 75443 | 75444 | 75450 | 75451 | 75452 | 75453 | 75459 | 75460 | | |
| | 75461 | 75462 | 75469 | 75470 | 75471 | 75479 | 75481 | 75482 | 75489 | 75500 | 75501 | 75502 | | |
| | 75510 | 75511 | 75512 | 75513 | 75514 | 75520 | 75521 | 75522 | 75523 | 75524 | 75525 | 75526 | | |
| | 75527 | 75528 | 75529 | 75530 | 75531 | 75532 | 75533 | 75534 | 75535 | 75536 | 75537 | 75538 | | |
| | 75539 | 7554 | 75550 | 75551 | 75552 | 75553 | 75554 | 75555 | 75556 | 75557 | 75558 | 75559 | | |
| | 75560 | 75561 | 75562 | 75563 | 75564 | 75565 | 75566 | 75567 | 75569 | 7558 | 7559 | 7560 | | |
| | 75610 | 75611 | 75612 | 75613 | 75614 | 75615 | 75616 | 75617 | 75619 | 7562 | 7563 | 7564 | | |
| | 75650 | 75651 | 75652 | 75653 | 75654 | 75655 | 75656 | 75659 | 7566 | 7567 | 75670 | 75671 | | |
| | 75679 | 75681 | 75682 | 75683 | 75689 | 7569 | 7570 | 7571 | 7572 | 75731 | 75732 | 75733 | | |
| | 75739 | 7574 | 7575 | 7576 | 7578 | 7579 | 7580 | 7581 | 7582 | 7583 | 7584 | 7585 | | |
| | 7586 | 7587 | 7588 | 75881 | 75889 | 7589 | 7590 | 7591 | 7592 | 7593 | 7594 | 7595 | | |
| | 7596 | 7597 | 7598 | 75981 | 75982 | 75983 | 75989 | 7599 | 7952 | | | | | |
| 218 | Liveborn | | | | | | | | | | | | | |
| | V300 | V3000 | V3001 | V301 | V302 | V310 | V3100 | V3101 | V311 | V312 | V320 | V3200 | | |
| | V3201 | V321 | V322 | V330 | V3300 | V3301 | V331 | V332 | V340 | V3400 | V3401 | V341 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-31

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|-------|-------|-------|--|--|
| | V342 V3700 | V350 V3701 | V3500 V371 | V3501 V372 | V351 V390 | V352 V3900 | V360 V3901 | V3600 V391 | V3601 V392 | V361 | V362 | V370 | | |
| 219 | Short gestation, low birth weight, and fetal growth retardation | | | | | | | | | | | | | |
| | 7640 | 76400 | 76401 | 76402 | 76403 | 76404 | 76405 | 76406 | 76407 | 76408 | 76409 | 7641 | | |
| | 76410 | 76411 | 76412 | 76413 | 76414 | 76415 | 76416 | 76417 | 76418 | 76419 | 7642 | 76420 | | |
| | 76421 | 76422 | 76423 | 76424 | 76425 | 76426 | 76427 | 76428 | 76429 | 76449 | 76490 | 76491 | | |
| | 76492 | 76493 | 76494 | 76495 | 76496 | 76497 | 76498 | 76499 | 7650 | 76500 | 76501 | 76502 | | |
| | 76503 | 76504 | 76505 | 76506 | 76507 | 76508 | 76509 | 7651 | 76510 | 76511 | 76512 | 76513 | | |
| | 76514 | 76515 | 76516 | 76517 | 76518 | 76519 | | | | | | | | |
| 220 | Intrauterine hypoxia and birth asphyxia | | | | | | | | | | | | | |
| | 7680 | 7681 | 7682 | 7683 | 7684 | 7685 | 7686 | 7689 | | | | | | |
| 221 | Respiratory distress syndrome | | | | | | | | | | | | | |
| | 769 | | | | | | | | | | | | | |
| 222 | Hemolytic jaundice and perinatal jaundice | | | | | | | | | | | | | |
| | 7730 | 7731 | 7732 | 7733 | 7734 | 7735 | 7740 | 7741 | 7742 | 77430 | 77431 | 77439 | | |
| | 7744 | 7745 | 7746 | 7747 | | | | | | | | | | |
| 223 | Birth trauma | | | | | | | | | | | | | |
| | 7670 | 7671 | 7672 | 7673 | 7674 | 7675 | 7676 | 7677 | 7678 | 7679 | | | | |
| 224 | Other perinatal conditions | | | | | | | | | | | | | |
| | V137 | V502 | 7600 | 7601 | 7602 | 7603 | 7604 | 7605 | 7606 | 76070 | 76071 | 76072 | | |
| | 76073 | 76074 | 76075 | 76076 | 76079 | 7608 | 7609 | 7610 | 7611 | 7612 | 7613 | 7614 | | |
| | 7615 | 7616 | 7617 | 7618 | 7619 | 7620 | 7621 | 7622 | 7623 | 7624 | 7625 | 7626 | | |
| | 7627 | 7628 | 7629 | 7630 | 7631 | 7632 | 7633 | 7634 | 7635 | 7636 | 7637 | 7638 | | |
| | 76381 | 76382 | 76383 | 76389 | 7639 | 7660 | 7661 | 7662 | 7700 | 7701 | 7702 | 7703 | | |
| | 7704 | 7705 | 7706 | 7707 | 7708 | 7709 | 7710 | 7711 | 7712 | 7713 | 7714 | 7715 | | |
| | 7716 | 7717 | 7718 | 7720 | 7721 | 7722 | 7723 | 7724 | 7725 | 7726 | 7728 | 7729 | | |
| | 7750 | 7751 | 7752 | 7753 | 7754 | 7755 | 7756 | 7757 | 7758 | 7759 | 7760 | 7761 | | |
| | 7762 | 7763 | 7764 | 7765 | | | | | | | | | | |
| | 7766 | 7767 | 7768 | 7769 | 7771 | 7772 | 7773 | 7774 | 7775 | 7776 | 7778 | 7779 | | |
| | 7780 | 7781 | 7782 | 7783 | 7784 | 7785 | 7786 | 7787 | 7788 | 7789 | 7790 | 7791 | | |
| | 7792 | 7793 | 7794 | 7795 | 7796 | 7798 | 7799 | | | | | | | |
| 225 | Joint disorders and dislocations, trauma-related | | | | | | | | | | | | | |
| | 71610 | 71611 | 71612 | 71613 | 71614 | 71615 | 71616 | 71617 | 71618 | 71619 | 7170 | 7171 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-32

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 7172 | 7173 | 71740 | 71741 | 71742 | 71743 | 71749 | 7175 | 7176 | 7177 | 71781 | 71782 | | | |
| 71783 | 71784 | 71785 | 71789 | 7179 | 71800 | 71801 | 71802 | 71803 | 71804 | 71805 | 71807 | | | |
| 71808 | 71809 | 71830 | 71831 | 71832 | 71833 | 71834 | 71835 | 71836 | 71837 | 71838 | 71839 | | | |
| 8300 | 8301 | 83100 | 83101 | 83102 | 83103 | 83104 | 83109 | 83110 | 83111 | 83112 | 83113 | | | |
| 83114 | 83119 | 83200 | 83201 | 83202 | 83203 | 83204 | 83209 | 83210 | 83211 | 83212 | 83213 | | | |
| 83214 | 83219 | 83300 | 83301 | 83302 | 83303 | 83304 | 83305 | 83309 | 83310 | 83311 | 83312 | | | |
| 83313 | 83314 | 83315 | 83319 | 83400 | 83401 | 83402 | 83410 | 83411 | 83412 | 83500 | 83501 | | | |
| 83502 | 83503 | 83510 | 83511 | 83512 | 83513 | 8360 | 8361 | 8362 | 8363 | 8364 | 83650 | | | |
| 83651 | 83652 | 83653 | 83654 | 83659 | 83660 | 83661 | 83662 | 83663 | 83664 | 83669 | 8370 | | | |
| 8371 | 83800 | 83801 | 83802 | 83803 | 83804 | 83805 | 83806 | 83809 | 83810 | 83811 | 83812 | | | |
| 83813 | 83814 | 83815 | 83816 | 83819 | 83900 | 83901 | 83902 | 83903 | 83904 | 83905 | 83906 | | | |
| 83907 | 83908 | 83910 | 83911 | 83912 | 83913 | 83914 | 83915 | 83916 | 83917 | 83918 | 83920 | | | |
| 83921 | 83930 | 83931 | 83940 | 83941 | 83942 | 83949 | 83950 | 83951 | 83952 | 83959 | 83961 | | | |
| 83969 | 83971 | 83979 | 8398 | 8399 | 9056 | | | | | | | | | |
| 226 | Fracture of neck of femur (hip) | | | | | | | | | | | | | |
| | 82000 | 82001 | 82002 | 82003 | 82009 | 82010 | 82011 | 82012 | 82013 | 82019 | 82020 | 82021 | | |
| | 82022 | 82030 | 82031 | 82032 | 8208 | 8209 | 9053 | | | | | | | |
| 227 | Spinal cord injury | | | | | | | | | | | | | |
| | 80600 | 80601 | 80602 | 80603 | 80604 | 80605 | 80606 | 80607 | 80608 | 80609 | 80610 | 80611 | | |
| | 80612 | 80613 | 80614 | 80615 | 80616 | 80617 | 80618 | 80619 | 80620 | 80621 | 80622 | 80623 | | |
| | 80624 | 80625 | 80626 | 80627 | 80628 | 80629 | 80630 | 80631 | 80632 | 80633 | 80634 | 80635 | | |
| | 80636 | 80637 | 80638 | 80639 | 8064 | 8065 | 80660 | 80661 | 80662 | 80669 | 80670 | 80671 | | |
| | 80672 | 80679 | 8068 | 8069 | 9072 | 95200 | 95201 | 95202 | 95203 | 95204 | 95205 | 95206 | | |
| | 95207 | 95208 | 95209 | 95210 | 95211 | 95212 | 95213 | 95214 | 95215 | 95216 | 95217 | 95218 | | |
| 228 | Skull and face fractures | | | | | | | | | | | | | |
| | 80000 | 80001 | 80002 | 80003 | 80004 | 80005 | 80006 | 80009 | 80050 | 80051 | 80052 | 80053 | | |
| | 80054 | 80055 | 80056 | 80059 | 80100 | 80101 | 80102 | 80103 | 80104 | 80105 | 80106 | 80109 | | |
| | 80150 | 80151 | 80152 | 80153 | 80154 | 80155 | 80156 | 80159 | 8020 | 8021 | 80220 | 80221 | | |
| | 80222 | 80223 | 80224 | 80225 | 80226 | 80227 | 80228 | 80229 | 80230 | 80231 | 80232 | 80233 | | |
| | 80234 | 80235 | 80236 | 80237 | 80238 | 80239 | 8024 | 8025 | 8026 | 8027 | 8028 | 8029 | | |
| | 80300 | 80301 | 80302 | 80303 | 80304 | 80305 | 80306 | 80309 | 80350 | 80351 | 80352 | 80353 | | |
| | 80354 | 80355 | 80356 | 80359 | 80400 | 80401 | 80402 | 80403 | 80404 | 80405 | 80406 | 80409 | | |
| 229 | Fracture of upper limb | | | | | | | | | | | | | |
| | 81000 | 81001 | 81002 | 81003 | 81010 | 81011 | 81012 | 81013 | 81100 | 81101 | 81102 | 81103 | | |
| | 81109 | 81110 | 81111 | 81112 | 81113 | 81119 | 81200 | 81201 | 81202 | 81203 | 81209 | 81210 | | |
| | 81211 | 81212 | 81213 | 81219 | 81220 | 81221 | 81230 | 81231 | 81240 | 81241 | 81242 | 81243 | | |
| | 81244 | 81249 | 81250 | 81251 | 81252 | 81253 | 81254 | 81259 | 81300 | 81301 | 81302 | 81303 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

A3-33

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 81304 | 81305 | 81306 | 81307 | 81308 | 81310 | 81311 | 81312 | 81313 | 81314 | 81315 | 81316 | | | |
| 81317 | 81318 | 81320 | 81321 | 81322 | 81323 | 81330 | 81331 | 81332 | 81333 | 81340 | 81341 | | | |
| 81342 | 81343 | 81344 | 81350 | 81351 | 81352 | 81353 | 81354 | 81380 | 81381 | 81382 | 81383 | | | |
| 81390 | 81391 | 81392 | 81393 | 81400 | 81401 | 81402 | 81403 | 81404 | 81405 | 81406 | 81407 | | | |
| 81408 | 81409 | 81410 | 81411 | 81412 | 81413 | 81414 | 81415 | 81416 | 81417 | 81418 | 81419 | | | |
| 81500 | 81501 | 81502 | 81503 | 81504 | 81509 | 81510 | 81511 | 81512 | 81513 | 81514 | 81519 | | | |
| 81600 | 81601 | 81602 | 81603 | 81610 | 81611 | 81612 | 81613 | 8170 | 8171 | 8180 | 8181 | | | |
| 8190 | 8191 | 9052 | | | | | | | | | | | | |
| 230 | Fracture of lower limb | | | | | | | | | | | | | |
| | 82100 | 82101 | 82110 | 82111 | 82120 | 82121 | 82122 | 82123 | 82129 | 82130 | 82131 | 82132 | | |
| | 82133 | 82139 | 8220 | 8221 | 82300 | 82301 | 82302 | 82310 | 82311 | 82312 | 82320 | 82321 | | |
| | 82322 | 82330 | 82331 | 82332 | 82380 | 82381 | 82382 | 82390 | 82391 | 82392 | 8240 | 8241 | | |
| | 8242 | 8243 | 8244 | 8245 | 8246 | 8247 | 8248 | 8249 | 8250 | 8251 | 82520 | 82521 | | |
| | 82522 | 82523 | 82524 | 82525 | 82529 | 82530 | 82531 | 82532 | 82533 | 82534 | 82535 | 82539 | | |
| | 8260 | 8261 | 8270 | 8271 | 9054 | | | | | | | | | |
| 231 | Other fractures | | | | | | | | | | | | | |
| | V540 | V664 | V674 | 80500 | 80501 | 80502 | 80503 | 80504 | 80505 | 80506 | 80507 | 80508 | | |
| | 80510 | 80511 | 80512 | 80513 | 80514 | 80515 | 80516 | 80517 | 80518 | 8052 | 8053 | 8054 | | |
| | 8055 | 8056 | 8057 | 8058 | 8059 | 80700 | 80701 | 80702 | 80703 | 80704 | 80705 | 80706 | | |
| | 80707 | 80708 | 80709 | 80710 | 80711 | 80712 | 80713 | 80714 | 80715 | 80716 | 80717 | 80718 | | |
| | 80719 | 8072 | 8073 | 8074 | 8075 | 8076 | 8080 | 8081 | 8082 | 8083 | 80841 | 80842 | | |
| | 80843 | 80849 | 80851 | 80852 | 80853 | 80859 | 8088 | 8089 | 8090 | 8091 | 8280 | 8281 | | |
| | 8290 | 8291 | 9051 | 9055 | | | | | | | | | | |
| 232 | Sprains and strains | | | | | | | | | | | | | |
| | 8400 | 8401 | 8402 | 8403 | 8404 | 8405 | 8406 | 8408 | 8409 | 8410 | 8411 | 8412 | | |
| | 8413 | 8418 | 8419 | 84200 | 84201 | 84202 | 84209 | 84210 | 84211 | 84212 | 84213 | 84219 | | |
| | 8430 | 8431 | 8438 | 8439 | 8440 | 8441 | 8442 | 8443 | 8448 | 8449 | 84500 | 84501 | | |
| | 84502 | 84503 | 84509 | 84510 | 84511 | 84512 | 84513 | 84519 | 8460 | 8461 | 8462 | 8463 | | |
| | 8468 | 8469 | 8470 | 8471 | 8472 | 8473 | 8474 | 8479 | 8480 | 8481 | 8482 | 8483 | | |
| | 84840 | 84841 | 84842 | 84849 | 8485 | 8488 | 8489 | 9057 | | | | | | |
| 233 | Intracranial injury | | | | | | | | | | | | | |
| | 80010 | 80011 | 80012 | 80013 | 80014 | 80015 | 80016 | 80019 | 80020 | 80021 | 80022 | 80023 | | |
| | 80024 | 80025 | 80026 | 80029 | 80030 | 80031 | 80032 | 80033 | 80034 | 80035 | 80036 | 80039 | | |
| | 80040 | 80041 | 80042 | 80043 | 80044 | 80045 | 80046 | 80049 | 80060 | 80061 | 80062 | 80063 | | |
| | 80064 | 80065 | 80066 | 80069 | 80070 | 80071 | 80072 | 80073 | 80074 | 80075 | 80076 | 80079 | | |
| | 80080 | 80081 | 80082 | 80083 | 80084 | 80085 | 80086 | 80089 | 80090 | 80091 | 80092 | 80093 | | |
| | 80094 | 80095 | 80096 | 80099 | 80110 | 80111 | 80112 | 80113 | 80114 | 80115 | 80116 | 80119 | | |
| | 80120 | 80121 | 80122 | 80123 | 80124 | 80125 | 80126 | 80129 | 80130 | 80131 | 80132 | 80133 | | |
| | 80134 | 80135 | 80136 | 80139 | 80140 | 80141 | 80142 | 80143 | 80144 | 80145 | 80146 | 80149 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-34

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | | |
|--------------------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| 80160 | 80161 | 80162 | 80163 | 80164 | 80165 | 80166 | 80169 | 80170 | 80171 | 80172 | 80173 | | | |
| 80174 | 80175 | 80176 | 80179 | 80180 | 80181 | 80182 | 80183 | 80184 | 80185 | 80186 | 80189 | | | |
| 80190 | 80191 | 80192 | 80193 | 80194 | 80195 | 80196 | 80199 | 80310 | 80311 | 80312 | 80313 | | | |
| 80314 | 80315 | 80316 | 80319 | 80320 | 80321 | 80322 | 80323 | 80324 | 80325 | 80326 | 80329 | | | |
| 80330 | 80331 | 80332 | 80333 | 80334 | 80335 | 80336 | 80339 | 80340 | 80341 | 80342 | 80343 | | | |
| 80344 | 80345 | 80346 | 80349 | 80360 | 80361 | 80362 | 80363 | 80364 | 80365 | 80366 | 80369 | | | |
| 80370 | 80371 | 80372 | 80373 | 80374 | 80375 | 80376 | 80379 | 80380 | 80381 | 80382 | 80383 | | | |
| 80384 | 80385 | 80386 | 80389 | 80390 | 80391 | 80392 | 80393 | 80394 | 80395 | 80396 | 80399 | | | |
| 80410 | 80411 | 80412 | 80413 | 80414 | 80415 | 80416 | 80419 | 80420 | 80421 | 80422 | 80423 | | | |
| 80424 | 80425 | 80426 | 80429 | 80430 | 80431 | 80432 | 80433 | 80434 | 80435 | 80436 | 80439 | | | |
| 80440 | 80441 | 80442 | 80443 | 80444 | 80445 | 80446 | 80449 | 80460 | 80461 | 80462 | 80463 | | | |
| 80464 | 80465 | 80466 | 80469 | 80470 | 80471 | 80472 | 80473 | 80474 | 80475 | 80476 | 80479 | | | |
| 80480 | 80481 | 80482 | 80483 | 80484 | 80485 | 80486 | 80489 | 80490 | 80491 | 80492 | 80493 | | | |
| 80494 | 80495 | 80496 | 80499 | 8500 | 8501 | 8502 | 8503 | 8504 | 8505 | 8509 | 85100 | | | |
| 85101 | 85102 | 85103 | 85104 | 85105 | 85106 | 85109 | 85110 | 85111 | 85112 | 85113 | 85114 | | | |
| 85115 | 85116 | 85119 | 85120 | 85121 | 85122 | 85123 | 85124 | 85125 | 85126 | 85129 | 85130 | | | |
| 85131 | 85132 | 85133 | 85134 | 85135 | 85136 | 85139 | 85140 | 85141 | 85142 | 85143 | 85144 | | | |
| 85145 | 85146 | 85149 | 85150 | 85151 | 85152 | 85153 | 85154 | 85155 | 85156 | 85159 | 85160 | | | |
| 85161 | 85162 | 85163 | 85164 | 85165 | 85166 | 85169 | 85170 | 85171 | 85172 | 85173 | 85174 | | | |
| 85175 | 85176 | 85179 | 85180 | 85181 | 85182 | 85183 | 85184 | 85185 | 85186 | 85189 | 85190 | | | |
| 85191 | 85192 | 85193 | 85194 | 85195 | 85196 | 85199 | 85200 | 85201 | 85202 | 85203 | 85204 | | | |
| 85205 | 85206 | 85209 | 85210 | 85211 | 85212 | 85213 | 85214 | 85215 | 85216 | 85219 | 85220 | | | |
| 85221 | 85222 | 85223 | 85224 | 85225 | 85226 | 85229 | 85230 | 85231 | 85232 | 85233 | 85234 | | | |
| 85235 | 85236 | 85239 | 85240 | 85241 | 85242 | 85243 | 85244 | 85245 | 85246 | 85249 | 85250 | | | |
| 85251 | 85252 | 85253 | 85254 | 85255 | 85256 | 85259 | 85300 | 85301 | 85302 | 85303 | 85304 | | | |
| 85305 | 85306 | 85309 | 85310 | 85311 | 85312 | 85313 | 85314 | 85315 | 85316 | 85319 | 85400 | | | |
| 85401 | 85402 | 85403 | 85404 | 85405 | 85406 | 85409 | 85410 | 85411 | 85412 | 85413 | 85414 | | | |
| 85415 | 85416 | 85419 | 9070 | | | | | | | | | | | |
| 234 | Crushing injury or internal injury | | | | | | | | | | | | | |
| 8600 | 8601 | 8602 | 8603 | 8604 | 8605 | 86100 | 86101 | 86102 | 86103 | 86110 | 86111 | | | |
| 86112 | 86113 | 86120 | 86121 | 86122 | 86130 | 86131 | 86132 | 8620 | 8621 | 86221 | 86222 | | | |
| 86229 | 86231 | 86232 | 86239 | 8628 | 8629 | 8630 | 8631 | 86320 | 86321 | 86329 | 86330 | | | |
| 86331 | 86339 | 86340 | 86341 | 86342 | 86343 | 86344 | 86345 | 86346 | 86349 | 86350 | 86351 | | | |
| 86352 | 86353 | 86354 | 86355 | 86356 | 86359 | 86380 | 86381 | 86382 | 86383 | 86384 | 86385 | | | |
| 86389 | 86390 | 86391 | 86392 | 86393 | 86394 | 86395 | 86399 | 86400 | 86401 | 86402 | 86403 | | | |
| 86404 | 86405 | 86409 | 86410 | 86411 | 86412 | 86413 | 86414 | 86415 | 86419 | 86500 | 86501 | | | |
| 86502 | 86503 | 86504 | 86509 | 86510 | 86511 | 86512 | 86513 | 86514 | 86519 | 86600 | 86601 | | | |
| 86602 | 86603 | 86610 | 86611 | 86612 | 86613 | 8670 | 8671 | 8672 | 8673 | 8674 | 8675 | | | |
| 8676 | 8677 | 8678 | 8679 | 86800 | 86801 | 86802 | 86803 | 86804 | 86809 | 86810 | 86811 | | | |
| 86812 | 86813 | 86814 | 86819 | 8690 | 8691 | 90000 | 90001 | 90002 | 90003 | 9001 | 90081 | | | |
| 90082 | 90089 | 9009 | 9010 | 9011 | 9012 | 9013 | 90140 | 90141 | 90142 | 90181 | 90182 | | | |
| 90183 | 90189 | 9019 | 9020 | 90210 | 90211 | 90219 | 90220 | 90221 | 90222 | 90223 | 90224 | | | |
| 90225 | 90226 | 90227 | 90229 | 90231 | 90232 | 90233 | 90234 | 90239 | 90240 | 90241 | 90242 | | | |
| 90249 | 90250 | 90251 | 90252 | 90253 | 90254 | 90255 | 90256 | 90259 | 90281 | 90282 | 90287 | | | |
| 90289 | 9029 | 90300 | 90301 | 90302 | 9031 | 9032 | 9033 | 9034 | 9035 | 9038 | 9039 | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-35

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 9040 | 9041 | 9042 | 9043 | 90440 | 90441 | 90442 | 90450 | 90451 | 90452 | 90453 | 90454 | | |
| 9046 | 9047 | 9048 | 9049 | 9064 | 9080 | 9081 | 9082 | 9083 | 9084 | 925 | 9251 | | |
| 9252 | 9260 | 92611 | 92612 | 92619 | 9268 | 9269 | 92700 | 92701 | 92702 | 92703 | 92709 | | |
| 92710 | 92711 | 92720 | 92721 | 9273 | 9278 | 9279 | 92800 | 92801 | 92810 | 92811 | 92820 | | |
| 92821 | 9283 | 9288 | 9289 | 9290 | 9299 | | | | | | | | |
| 235 | Open wounds of head, neck, and trunk | | | | | | | | | | | | |
| | 8700 | 8701 | 8702 | 8703 | 8704 | 8708 | 8709 | 8710 | 8711 | 8712 | 8713 | 8714 | |
| | 8715 | 8716 | 8717 | 8719 | 87200 | 87201 | 87202 | 87210 | 87211 | 87212 | 87261 | 87262 | |
| | 87263 | 87264 | 87269 | 87271 | 87272 | 87273 | 87274 | 87279 | 8728 | 8729 | 8730 | 8731 | |
| | 87320 | 87321 | 87322 | 87323 | 87329 | 87330 | 87331 | 87332 | 87333 | 87339 | 87340 | 87341 | |
| | 87342 | 87343 | 87344 | 87349 | 87350 | 87351 | 87352 | 87353 | 87354 | 87359 | 87360 | 87361 | |
| | 87362 | 87363 | 87364 | 87365 | 87369 | 87370 | 87371 | 87372 | 87373 | 87374 | 87375 | 87379 | |
| | 8738 | 8739 | 87400 | 87401 | 87402 | 87410 | 87411 | 87412 | 8742 | 8743 | 8744 | 8745 | |
| | 8748 | 8749 | 8750 | 8751 | 8760 | 8761 | 8770 | 8771 | 8780 | 8781 | 8782 | 8783 | |
| | 8784 | 8785 | 8786 | 8787 | 8788 | 8789 | 8790 | 8791 | 8792 | 8793 | 8794 | 8795 | |
| | 8796 | 8797 | 8798 | 8799 | 9060 | | | | | | | | |
| 236 | Open wounds of extremities | | | | | | | | | | | | |
| | 88000 | 88001 | 88002 | 88003 | 88009 | 88010 | 88011 | 88012 | 88013 | 88019 | 88020 | 88021 | |
| | 88022 | 88023 | 88029 | 88100 | 88101 | 88102 | 88110 | 88111 | 88112 | 88120 | 88121 | 88122 | |
| | 8820 | 8821 | 8822 | 8830 | 8831 | 8832 | 8840 | 8841 | 8842 | 8850 | 8851 | 8860 | |
| | 8861 | 8870 | 8871 | 8872 | 8873 | 8874 | 8875 | 8876 | 8877 | 8900 | 8901 | 8902 | |
| | 8910 | 8911 | 8912 | 8920 | 8921 | 8922 | 8930 | 8931 | 8932 | 8940 | 8941 | 8942 | |
| | 8950 | 8951 | 8960 | 8961 | 8962 | 8963 | 8970 | 8971 | 8972 | 8973 | 8974 | 8975 | |
| | 8976 | 8977 | 9058 | 9059 | 9061 | | | | | | | | |
| 237 | Complication of device, implant or graft | | | | | | | | | | | | |
| | 41402 | 41403 | 41404 | 41405 | 44030 | 44031 | 44032 | 56960 | 56961 | 56969 | 99600 | 99601 | |
| | 99602 | 99603 | 99604 | 99609 | 9961 | 9962 | 99630 | 99631 | 99632 | 99639 | 9964 | 99651 | |
| | 99652 | 99653 | 99654 | 99655 | 99656 | 99659 | 9966 | 99660 | 99661 | 99662 | 99663 | 99664 | |
| | 99665 | 99666 | 99667 | 99668 | 99669 | 9967 | 99670 | 99671 | 99672 | 99673 | 99674 | 99675 | |
| | 99676 | 99677 | 99678 | 99679 | 99680 | 99681 | 99682 | 99683 | 99684 | 99685 | 99686 | 99689 | |
| | 99690 | 99691 | 99692 | 99693 | 99694 | 99695 | 99696 | 99699 | | | | | |
| 238 | Complications of surgical procedures or medical care | | | | | | | | | | | | |
| | 3490 | 3491 | 41511 | 4294 | 4582 | 5121 | 5190 | 51900 | 51901 | 51902 | 51909 | 53640 | |
| | 53641 | 53642 | 53649 | 56962 | 5642 | 5643 | 5644 | 5696 | 56962 | 5793 | 9093 | 9954 | |
| | 99586 | 9970 | 99700 | 99701 | 99702 | 99709 | 9971 | 9972 | 9973 | 9974 | 9975 | 99760 | |
| | 99761 | 99762 | 99769 | 9979 | 99791 | 99799 | 9980 | 9981 | 99811 | 99812 | 99813 | 9982 | |
| | 9983 | 9984 | 9985 | 99851 | 99859 | 9986 | 9987 | 9988 | 99881 | 99882 | 99883 | 99889 | |
| | 9989 | 9990 | 9991 | 9992 | 9993 | 9994 | 9995 | 9996 | 9997 | 9998 | 9999 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-36

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 239 | Superficial injury, contusion | | | | | | | | | | | | |
| | 9062 | 9063 | 9100 | 9101 | 9102 | 9103 | 9104 | 9105 | 9106 | 9107 | 9108 | 9109 | |
| | 9110 | 9111 | 9112 | 9113 | 9114 | 9115 | 9116 | 9117 | 9118 | 9119 | 9120 | 9121 | |
| | 9122 | 9123 | 9124 | 9125 | 9126 | 9127 | 9128 | 9129 | 9130 | 9131 | 9132 | 9133 | |
| | 9134 | 9135 | 9136 | 9137 | 9138 | 9139 | 9140 | 9141 | 9142 | 9143 | 9144 | 9145 | |
| | 9146 | 9147 | 9148 | 9149 | 9150 | 9151 | 9152 | 9153 | 9154 | 9155 | 9156 | 9157 | |
| | 9158 | 9159 | 9160 | 9161 | 9162 | 9163 | 9164 | 9165 | 9166 | 9167 | 9168 | 9169 | |
| | 9170 | 9171 | 9172 | 9173 | 9174 | 9175 | 9176 | 9177 | 9178 | 9179 | 9180 | 9181 | |
| | 9182 | 9189 | 9190 | 9191 | 9192 | 9193 | 9194 | 9195 | 9196 | 9197 | 9198 | 9199 | |
| | 920 | 9210 | 9211 | 9212 | 9213 | 9219 | 9220 | 9221 | 9222 | 9223 | 92231 | 92232 | |
| | 92233 | 9224 | 9228 | 9229 | 92300 | 92301 | 92302 | 92303 | 92309 | 92310 | 92311 | 92320 | |
| | 92321 | 9233 | 9238 | 9239 | 92400 | 92401 | 92410 | 92411 | 92420 | 92421 | 9243 | 9244 | |
| | 9245 | 9248 | 9249 | | | | | | | | | | |
| 240 | Burns | | | | | | | | | | | | |
| | 9065 | 9066 | 9067 | 9068 | 9069 | 9400 | 9401 | 9402 | 9403 | 9404 | 9405 | 9409 | |
| | 94100 | 94101 | 94102 | 94103 | 94104 | 94105 | 94106 | 94107 | 94108 | 94109 | 94110 | 94111 | |
| | 94112 | 94113 | 94114 | 94115 | 94116 | 94117 | 94118 | 94119 | 94120 | 94121 | 94122 | 94123 | |
| | 94124 | 94125 | 94126 | 94127 | 94128 | 94129 | 94130 | 94131 | 94132 | 94133 | 94134 | 94135 | |
| | 94136 | 94137 | 94138 | 94139 | 94140 | 94141 | 94142 | 94143 | 94144 | 94145 | 94146 | 94147 | |
| | 94148 | 94149 | 94150 | 94151 | 94152 | 94153 | 94154 | 94155 | 94156 | 94157 | 94158 | 94159 | |
| | 94200 | 94201 | 94202 | 94203 | 94204 | 94205 | 94209 | 94210 | 94211 | 94212 | 94213 | 94214 | |
| | 94215 | 94219 | 94220 | 94221 | 94222 | 94223 | 94224 | 94225 | 94229 | 94230 | 94231 | 94232 | |
| | 94233 | 94234 | 94235 | 94239 | 94240 | 94241 | 94242 | 94243 | 94244 | 94245 | 94249 | 94250 | |
| | 94251 | 94252 | 94253 | 94254 | 94255 | 94259 | 94300 | 94301 | 94302 | 94303 | 94304 | 94305 | |
| | 94306 | 94309 | 94310 | 94311 | 94312 | 94313 | 94314 | 94315 | 94316 | 94319 | 94320 | 94321 | |
| | 94322 | 94323 | 94324 | 94325 | 94326 | 94329 | 94330 | 94331 | 94332 | 94333 | 94334 | 94335 | |
| | 94336 | 94339 | 94340 | 94341 | 94342 | 94343 | 94344 | 94345 | 94346 | 94349 | 94350 | 94351 | |
| | 94352 | 94353 | 94354 | 94355 | 94356 | 94359 | 94400 | 94401 | 94402 | 94403 | 94404 | 94405 | |
| | 94406 | 94407 | 94408 | 94410 | 94411 | 94412 | 94413 | 94414 | 94415 | 94416 | 94417 | 94418 | |
| | 94420 | 94421 | 94422 | 94423 | 94424 | 94425 | 94426 | 94427 | 94428 | 94430 | 94431 | 94432 | |
| | 94433 | 94434 | 94435 | 94436 | 94437 | 94438 | 94440 | 94441 | 94442 | 94443 | 94444 | 94445 | |
| | 94446 | 94447 | 94448 | 94450 | 94451 | 94452 | 94453 | 94454 | 94455 | 94456 | 94457 | 94458 | |
| | 94500 | 94501 | 94502 | 94503 | 94504 | 94505 | 94506 | 94509 | 94510 | 94511 | 94512 | 94513 | |
| | 94514 | 94515 | 94516 | 94519 | 94520 | 94521 | 94522 | 94523 | 94524 | 94525 | 94526 | 94529 | |
| | 94530 | 94531 | 94532 | 94533 | 94534 | 94535 | 94536 | 94539 | 94540 | 94541 | 94542 | 94543 | |
| | 94544 | 94545 | 94546 | 94549 | 94550 | 94551 | 94552 | 94553 | 94554 | 94555 | 94556 | 94559 | |
| | 9460 | 9461 | 9462 | 9463 | 9464 | 9465 | 9470 | 9471 | 9472 | 9473 | 9474 | 9478 | |
| | 9479 | 94800 | 94810 | 94811 | 94820 | 94821 | 94822 | 94830 | 94831 | 94832 | 94833 | 94840 | |
| | 94841 | 94842 | 94843 | 94844 | 94850 | 94851 | 94852 | 94853 | 94854 | 94855 | 94860 | 94861 | |
| | 94862 | 94863 | 94864 | 94865 | 94866 | 94870 | 94871 | 94872 | 94873 | 94874 | 94875 | 94876 | |
| | 94877 | 94880 | 94881 | 94882 | 94883 | 94884 | 94885 | 94886 | 94887 | 94888 | 94890 | 94891 | |
| | 94892 | 94893 | 94894 | 94895 | 94896 | 94897 | 94898 | 94899 | 9490 | 9491 | 9492 | 9493 | |
| | 9494 | 9495 | | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

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MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 241 | Poisoning by psychotropic agents | | | | | | | | | | | |
| | 9690 | 9691 | 9692 | 9693 | 9694 | 9695 | 9696 | 9697 | 9698 | 9699 | | |
| 242 | Poisoning by other medications and drugs | | | | | | | | | | | |
| | 9090 | 9095 | 9600 | 9601 | 9602 | 9603 | 9604 | 9605 | 9606 | 9607 | 9608 | 9609 |
| | 9610 | 9611 | 9612 | 9613 | 9614 | 9615 | 9616 | 9617 | 9618 | 9619 | 9620 | 9621 |
| | 9622 | 9623 | 9624 | 9625 | 9626 | 9627 | 9628 | 9629 | 9630 | 9631 | 9632 | 9633 |
| | 9634 | 9635 | 9638 | 9639 | 9640 | 9641 | 9642 | 9643 | 9644 | 9645 | 9646 | 9647 |
| | 9648 | 9649 | 96500 | 96501 | 96502 | 96509 | 9651 | 9654 | 9655 | 9656 | 96561 | 96569 |
| | 9657 | 9658 | 9659 | 9660 | 9661 | 9662 | 9663 | 9664 | 9670 | 9671 | 9672 | 9673 |
| | 9674 | 9675 | 9676 | 9678 | 9679 | 9680 | 9681 | 9682 | 9683 | 9684 | 9685 | 9686 |
| | 9687 | 9689 | 9700 | 9701 | 9708 | 9709 | 9710 | 9711 | 9712 | 9713 | 9719 | 9720 |
| | 9721 | 9722 | 9723 | 9724 | 9725 | 9726 | 9727 | 9728 | 9729 | 9730 | 9731 | 9732 |
| | 9733 | 9734 | 9735 | 9736 | 9738 | 9739 | 9740 | 9741 | 9742 | 9743 | 9744 | 9745 |
| | 9746 | 9747 | 9750 | 9751 | 9752 | 9753 | 9754 | 9755 | 9756 | 9757 | 9758 | 9760 |
| | 9761 | 9762 | 9763 | 9764 | 9765 | 9766 | 9767 | 9768 | 9769 | 9770 | 9771 | 9772 |
| | 9773 | 9774 | 9778 | 9779 | 9780 | 9781 | 9782 | 9783 | 9784 | 9785 | 9786 | 9788 |
| | 9789 | 9790 | 9791 | 9792 | 9793 | 9794 | 9795 | 9796 | 9797 | 9799 | 9952 | |
| 243 | Poisoning by nonmedicinal substances | | | | | | | | | | | |
| | 9091 | 9800 | 9801 | 9802 | 9803 | 9808 | 9809 | 981 | 9820 | 9821 | 9822 | 9823 |
| | 9824 | 9828 | 9830 | 9831 | 9832 | 9839 | 9840 | 9841 | 9848 | 9849 | 9850 | 9851 |
| | 9852 | 9853 | 9854 | 9855 | 9856 | 9858 | 9859 | 986 | 9870 | 9871 | 9872 | 9873 |
| | 9874 | 9875 | 9876 | 9877 | 9878 | 9879 | 9880 | 9881 | 9882 | 9888 | 9889 | 9890 |
| | 9891 | 9892 | 9893 | 9894 | 9895 | 9896 | 9897 | 9898 | 98981 | 98982 | 98983 | 98984 |
| 244 | Other injuries and conditions due to external causes | | | | | | | | | | | |
| | V155 | V156 | V713 | V714 | V715 | V716 | 7960 | 7990 | 9071 | 9073 | 9074 | 9075 |
| | 9079 | 9085 | 9086 | 9089 | 9092 | 9094 | 9099 | 9300 | 9301 | 9302 | 9308 | 9309 |
| | 931 | 932 | 9330 | 9331 | 9340 | 9341 | 9348 | 9349 | 9350 | 9351 | 9352 | 936 |
| | 937 | 938 | 9390 | 9391 | 9392 | 9393 | 9399 | 9500 | 9501 | 9502 | 9503 | 9509 |
| | 9510 | 9511 | 9512 | 9513 | 9514 | 9515 | 9516 | 9517 | 9518 | 9519 | 9530 | 9531 |
| | 9532 | 9533 | 9534 | 9535 | 9538 | 9539 | 9540 | 9541 | 9548 | 9549 | 9550 | 9551 |
| | 9552 | 9553 | 9554 | 9555 | 9556 | 9557 | 9558 | 9559 | 9560 | 9561 | 9562 | 9563 |
| | 9564 | 9565 | 9568 | 9569 | 9570 | 9571 | 9578 | 9579 | 9580 | 9581 | 9582 | 9583 |
| | 9584 | 9585 | 9586 | 9587 | 9588 | 9590 | 95901 | 95909 | 9591 | 9592 | 9593 | 9594 |
| | 9595 | 9596 | 9597 | 9598 | 9599 | 990 | 9910 | 9911 | 9912 | 9913 | 9914 | 9915 |
| | 9916 | 9918 | 9919 | 9920 | 9921 | 9922 | 9923 | 9924 | 9925 | 9926 | 9927 | 9928 |
| | 9929 | 9930 | 9931 | 9932 | 9933 | 9934 | 9938 | 9939 | 9940 | 9941 | 9942 | 9943 |
| | 9944 | 9945 | 9946 | 9947 | 9948 | 9949 | 9951 | 9955 | 99550 | 99551 | 99552 | 99553 |
| | 99554 | 99555 | 99559 | 99580 | 99581 | 99582 | 99583 | 99584 | 99585 | 99589 | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

A3-38

MEPS HC-037

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 245 | Syncope | | | | | | | | | | | |
| | 7802 | | | | | | | | | | | |
| 246 | Fever of unknown origin | | | | | | | | | | | |
| | 7806 | | | | | | | | | | | |
| 247 | Lymphadenitis | | | | | | | | | | | |
| | 2891 | 2892 | 2893 | 683 | 7856 | | | | | | | |
| 248 | Gangrene | | | | | | | | | | | |
| | 44024 | 7854 | | | | | | | | | | |
| 249 | Shock | | | | | | | | | | | |
| | 78550 | 78551 | 78559 | | | | | | | | | |
| 250 | Nausea and vomiting | | | | | | | | | | | |
| | 7870 | 78701 | 78702 | 78703 | | | | | | | | |
| 251 | Abdominal pain | | | | | | | | | | | |
| | 7890 | 78900 | 78901 | 78902 | 78903 | 78904 | 78905 | 78906 | 78907 | 78909 | 78960 | 78961 |
| | 78962 | 78963 | 78964 | 78965 | 78966 | 78967 | 78969 | | | | | |
| 252 | Malaise and fatigue | | | | | | | | | | | |
| | 7807 | 78071 | 78079 | | | | | | | | | |
| 253 | Allergic reactions | | | | | | | | | | | |
| | V071 | V140 | V141 | V142 | V143 | V144 | V145 | V146 | V147 | V148 | V149 | V150 |
| | V727 | 5186 | 6910 | 6918 | 6920 | 6921 | 6922 | 6923 | 6924 | 6925 | 6926 | 69270 |
| | 69271 | 69272 | 69273 | 69274 | 69279 | 69281 | 69282 | 69283 | 69289 | 6929 | 6930 | 6931 |
| | 6938 | 6939 | 7080 | 7081 | 7082 | 7083 | 7084 | 7085 | 7088 | 7089 | 9950 | 9953 |
| | 99560 | 99561 | 99562 | 99563 | 99564 | 99565 | 99566 | 99567 | 99568 | 99569 | | |
| 254 | Rehabilitation care, fitting of prostheses, and adjustment of devices | | | | | | | | | | | |
| | V520 | V521 | V524 | V528 | V529 | V538 | V570 | V571 | V572 | V5721 | V5722 | V573 |
| | V574 | V5781 | V5789 | V579 | V5882 | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX 33

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

| Diagnosis category ICD-9-CM codes | | | | | | | | | | | | | |
|--------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 255 | Administrative/social admission | | | | | | | | | | | | |
| | V200 | V201 | V202 | V600 | V601 | V602 | V603 | V604 | V605 | V606 | V608 | V609 | |
| | V610 | V611 | V6110 | V6111 | V6112 | V6120 | V6121 | V6122 | V6129 | V613 | V6141 | V6149 | |
| | V616 | V617 | V618 | V619 | V620 | V621 | V622 | V623 | V624 | V625 | V626 | V6281 | |
| | V6282 | V6283 | V6289 | V629 | V630 | V631 | V632 | V638 | V639 | V650 | V651 | V652 | |
| | V653 | V654 | V6540 | V6541 | V6542 | V6543 | V6544 | V6545 | V6549 | V655 | V658 | V659 | |
| | V680 | V681 | V682 | V6881 | V6889 | V689 | | | | | | | |
| 256 | Medical examination/evaluation | | | | | | | | | | | | |
| | V290 | V291 | V292 | V293 | V298 | V299 | V700 | V703 | V704 | V705 | V706 | V707 | |
| | V708 | V709 | V718 | V719 | V725 | V726 | V728 | V7281 | V7282 | V7283 | V7284 | V7285 | |
| 257 | Other aftercare | | | | | | | | | | | | |
| | V51 | V539 | V548 | V549 | V558 | V559 | V583 | V584 | V5841 | V5849 | V5861 | V5862 | |
| | V5869 | V588 | V5881 | V5889 | V589 | V660 | V665 | V666 | V667 | V669 | V670 | V6751 | |
| 258 | Other screening for suspected conditions (not mental disorders or infectious disease) | | | | | | | | | | | | |
| | V280 | V281 | V282 | V283 | V284 | V285 | V288 | V289 | V760 | V761 | V7610 | V7611 | |
| | V7612 | V7619 | V762 | V763 | V7641 | V7642 | V7643 | V7644 | V7645 | V7649 | V768 | V769 | |
| | V770 | V771 | V772 | V773 | V774 | V775 | V776 | V777 | V778 | V779 | V780 | V781 | |
| | V782 | V783 | V788 | V789 | V800 | V801 | V802 | V803 | V810 | V811 | V812 | V813 | |
| | V814 | V815 | V816 | V820 | V821 | V822 | V823 | V824 | V825 | V826 | V828 | V829 | |
| 259 | Residual codes, unclassified | | | | | | | | | | | | |
| | V070 | V072 | V073 | V0731 | V0739 | V078 | V079 | V131 | V138 | V139 | V152 | V153 | |
| | V1581 | V1584 | V1585 | V1586 | V1589 | V159 | V160 | V161 | V162 | V163 | V164 | V1640 | |
| | V1641 | V1642 | V1643 | V1649 | V165 | V1651 | V1659 | V166 | V167 | V168 | V169 | V170 | |
| | V171 | V172 | V173 | V174 | V175 | V176 | V177 | V178 | V180 | V181 | V182 | V183 | |
| | V184 | V185 | V186 | V1861 | V1869 | V187 | V188 | V190 | V191 | V192 | V193 | V194 | |
| | V195 | V196 | V197 | V198 | V210 | V211 | V212 | V218 | V219 | V418 | V419 | V428 | |
| | V4281 | V4282 | V4283 | V4289 | V429 | V438 | V4381 | V4382 | V4383 | V4389 | V447 | V448 | |
| | V449 | V4571 | V4572 | V4573 | V4583 | V4589 | V460 | V468 | V469 | V470 | V471 | V472 | |
| | V479 | V480 | V488 | V489 | V498 | V499 | V500 | V501 | V503 | V5041 | V5042 | V5049 | |
| | V508 | V509 | V590 | V5901 | V5902 | V5909 | V591 | V592 | V593 | V594 | V595 | V596 | |
| | V598 | V599 | V615 | V640 | V641 | V642 | V643 | V644 | V690 | V691 | V692 | V693 | |
| | V698 | V699 | 3020 | 78002 | 78050 | 78051 | 78052 | 78053 | 78054 | 78055 | 78056 | 78057 | |
| | 78059 | 7809 | 7815 | 7816 | 7823 | 78261 | 78262 | 7828 | 7829 | 7830 | 7836 | 7842 | |
| | 7901 | 7903 | 7906 | 7909 | 79091 | 79092 | 79093 | 79094 | 79099 | 7929 | 7932 | 7938 | |
| | 7939 | 7949 | 7954 | 7963 | 7964 | 7965 | 7969 | 7980 | 7981 | 7982 | 7989 | 7992 | |
| | 7993 | 7998 | 7999 | | | | | | | | | | |

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

APPENDIX33

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**Appendix 4:
List of Priority Conditions**

LIST OF PRIORITY CONDITIONS

A. LONG-TERM, LIFE THREATENING CONDITIONS:

Cancer (of any body part)

cancer
tumor
malignancy
malignant tumor
carcinoma
sarcoma
lymphoma
Hodgkin's disease
leukemia
melanoma
metastasis
neuroma
adenoma

Diabetes

diabetes
diabetes mellitus
high blood sugar
juvenile diabetes
(Type I diabetes)
adult-onset diabetes
(Type II diabetes)
diabetic neuropathy

Emphysema

emphysema
chronic obstructive pulmonary
disease (COPD)
chronic bronchitis (MUST use the
word 'chronic', only for adults)
Chronic obstructive bronchitis (MUST
use the word 'chronic', only for
adults)
smokers cough

High Cholesterol

high cholesterol
high or elevated triglycerides
hyperlipidemia
hypercholesterolemia

HIV/AIDS

HIV
AIDS

Hypertension

hypertension
high blood pressure

Ischemic Heart Disease

ischemic heart disease (MUST use
the word 'ischemic')
angina
angina pectoris
coronary artery disease
blocked, obstructed, or occluded
coronary arteries
arteriosclerosis
myocardial infarction
heart attack

Stroke

stroke
cerebral hemorrhage
cerebral aneurysm
transient ischemic accident
transient ischemic attack
apoplexy
carotid artery blockage
arterial thrombosis in brain
blood clot in brain

B. CHRONIC, MANAGEABLE CONDITIONS:

Arthritis

anything with the word 'arthritis'
rheumatoid arthritis
degenerative arthritis
osteoarthritis
bursitis
rheumatism

Asthma

anything with the word 'asthma' or
'asthmatic'

Gall Bladder Disease

gall bladder disease, trouble,
attacks, infection, or problems
gallstones

Stomach Ulcers

stomach ulcer
duodenal ulcer
peptic ulcer
bleeding ulcer
ulcerated stomach
perforated ulcer

Back Problems of Any Kind

back problems or pain of any kind
(lower or upper back)
sore, hurt, injured, or stiff back
backache
anything with the words 'vertebra',
'vertebrae', 'lumbar', 'spine', or
'spinal'
strained or pulled muscle in back
sprained back
muscle spasms
back spasms
bad back
lumbago
sciatica or sciatic nerve problems
disc problems: herniated, ruptured,
slipped, compressed, extruded,
dislocated, deteriorated, or
misaligned discs

C. MENTAL HEALTH ISSUES:

Alzheimer's Disease and Other Dementias

anything with the words 'Alzheimer's' or 'dementia'
organic brain syndrome

Depression and Anxiety Disorders

depression (including severe, chronic, or major depression)
dysthymia
dysthymic disorder
bipolar disorder
manic depression or manic depressive illness
anxiety attacks
panic attacks
anxiety
nerves
nervous condition
nervous breakdown